



ECO REFRIGERA TION





OUR EXPERTISE, OUR VIEW.

Refrigera Industriale è un'azienda manifatturiera italiana, che opera nel settore HVAC-R (Riscaldamento, Ventilazione, Condizionamento dell'aria e Refrigerazione), offrendo una gamma completa di prodotti, progettati internamente e realizzati con elevate competenze tecniche e impiegando materie prime certificate. Il successo dei nostri prodotti, contraddistinti dal marchio registrato Refrigera® è stato realizzato grazie all'elevata qualità, alla riconosciuta innovatività e alla marcata personalizzazione dell'offerta. In Refrigera Industriale progettiamo e produciamo valvole idonee per impianti di refrigerazione sempre al passo con le restrittive normative ambientali, e in grado di soddisfare i requisiti tecnici e di efficienza energetica dei sistemi più innovativi. I nostri clienti, provenienti da tutto il mondo, si rivolgono a Refrigera, cercando non solo un prodotto, ma soprattutto una soluzione tecnica. A tale scopo Refrigera progetta, produce e commercializza una gamma completa di valvole per la refrigerazione industriale e commerciale, disegnata su misura, per le esigenze specifiche di ciascun cliente, idonee per qualsiasi tipo di impianto, funzionante con i più diffusi fluidi refrigeranti a basso impatto ambientale.

Refrigera detiene un consolidato know-how anche nella progettazione di componenti in rame idonei per i più diffusi sistemi di condizionamento dell'aria. Il nostro catalogo contiene una gamma completa di derivazioni, collettori e componenti realizzati su misura per sistemi VRF e per qualsiasi circuito del settore HVACR. L'intera gamma di prodotto è disponibile con coibentazioni personalizzate, realizzate in materiale certificato in Classe 1.

I nostri progetti di Ricerca & Sviluppo possono contare su persone di valore, le cui expertise consentono a Refrigera di conquistare ogni anno nuovi clienti e nuovi mercati. Abbiamo deciso di produrre solo in Italia, per controllare ogni fase del processo produttivo e per migliorare continuamente le prestazioni e l'affidabilità dei nostri prodotti. Ogni nostro prodotto nasce dall'ambizione di fare qualcosa di valore, per il cliente e per noi.

I nostri prodotti hanno acquisito le più ambite certificazioni europee e nordamericane e vengono sottoposti singolarmente a test funzionali molto severi. Le materie prime impiegate nella produzione vengono acquistate da fornitori selezionati e accreditati a livello internazionale.

La tutela dell'ambiente è un nostro valore, presente in ogni nostro obiettivo. La nostra azienda agisce nel pieno rispetto delle normative ambientali e con la massima attenzione all'efficienza energetica di ogni processo industriale. Così come i nostri prodotti vengono progettati per durare a lungo e per offrire prestazioni elevate nei più diffusi impianti funzionanti con gas refrigeranti ecocompatibili. La nostra azienda è integrata con il territorio e persegue obiettivi ambientali e sociali, a fianco di quelli economici e finanziari. Ogni giorno contribuiamo a realizzare un futuro prospero, pulito e sicuro.

Refrigera Industriale is an Italian manufacturer that operates in the HVAC-R industry (Heating, Ventilation, Air Conditioning and Refrigeration) and offers a full range of products designed in-house and made with top technical expertise by using certified raw materials.

The success of our products lies in their high quality, acclaimed innovation and customised solutions. At Refrigera we design and manufacture valves for refrigeration systems that are always in line with strict environmental regulations, as well as the technical and energy efficiency requirements of the most innovative systems. Our customers from around the world turn to Refrigera and do not only seek a product, but above all a technical solution. This is why Refrigera designs, manufactures and markets a full range of valves for industrial and commercial refrigeration, customised according to the specific needs of each client, suitable for any kind of system and operating with the most popular coolants with a low environmental impact.

Refrigera has a well-established know-how also in terms of design of copper components suitable for the most popular air conditioning systems. Our catalogue contains a full range of shunts, manifolds and components tailored to VRF systems and for any HVAC-R industry circuit. The entire product range is available with customised insulation made of Class 1 certified material.

All products sold are covered by the Refrigera® internationally registered trademark.

Our R&D projects can count on valuable people and with their expertise every year Refrigera acquires new customers and new markets. We decided to only manufacture in Italy to monitor every stage of the production process and constantly improve the performance and reliability of our products. Each product stems from the desire to provide value for the customer and ourselves.

Our products have gained the most coveted European and North American certifications and each one of them undergoes very strict operating tests. The raw materials used at the production stage are top quality materials purchased from selected suppliers.

Environmental protection is one of our values featured in all our goals. Our company acts in full compliance with environmental regulations and with the utmost attention to ensuring energy efficiency for every industrial process. Likewise, our products are designed to guarantee longevity and offer high performance in the most popular systems operating with eco-friendly refrigerant gases. Our company has a widespread local network and pursues social and environmental objectives, alongside economic and financial ones. Every day we help build a prosperous, clean and safe future.





R744 HC R717

10	2 WAY BALL VALVE WITHOUT SCHRADER
11	2 WAY BALL VALVE WITH SCHRADER
12	3 WAY BALL VALVE WITHOUT SCHRADER
13	3 WAY BALL VALVE WITH SCHRADER
14	2 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR
15	2 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR V PORT 30°
16	2 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR V PORT 60°
17	2 WAY BALL VALVE WITH SCHRADER FIT FOR ACTUATOR
18	2 WAY BALL VALVE WITH SCHRADER FIT FOR ACTUATOR V PORT 30°
19	2 WAY BALL VALVE WITH SCHRADER FIT FOR ACTUATOR V PORT 60°
20	3 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR
21	3 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR V PORT 30°
22	3 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR V PORT 60°
23	3 WAY BALL VALVE WITH SCHRADER FIT FOR ACTUATOR
24	3 WAY BALL VALVE WITH SCHRADER FIT FOR ACTUATOR V PORT 30°
25	3 WAY BALL VALVE WITH SCHRADER FIT FOR ACTUATOR V PORT 60°
26	4 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR
27	CONNECTION KIT
28 - 30	ELECTRIC ACTUATOR ON/OFF
31 - 33	ELECTRIC ACTUATOR MODULATING
34	ELECTRIC ACTUATOR WITH EMERGENCY FUCTION
34	EXTERNAL AUXILIARY CONTACT
35	MOTOR KIT SELECTION CHART
36	CHECK VALVE WITH STANDARD SPRING
37	CHECK VALVE WITH REINFORCED SPRING
38	BY PASS WITH SCHRADER
39	BY PASS WITHOUT SCHRADER
40	FILTER DRIERS ODS WITH SOLID CORE
41	FILTER DRIERS SAE WITH SOLID CORE
42	3 WAY CHANGEOVER VALVE



R744 CO2 TRANSCRITICAL BRASS TYPE WITH STAINLESS STEEL CONNECTIONS

- 44 2 WAY BALL VALVE WITHOUT SCHRADER
- 45 2 WAY BALL VALVE WITH SCHRADER
- 46 3 WAY BALL VALVE WITHOUT SCHRADER
- 47 3 WAY BALL VALVE WITH SCHRADER
- 48 2 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR
- 49 2 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR V PORT 30°
- 50 2 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR V PORT 60°
- 51 2 WAY BALL VALVE WITH SCHRADER FIT FOR ACTUATOR
- 52 2 WAY BALL VALVE WITH SCHRADER FIT FOR ACTUATOR V PORT 30°
- 53 2 WAY BALL VALVE WITH SCHRADER FIT FOR ACTUATOR V PORT 60°
- 54 3 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR
- 55 3 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR V PORT 30°
- 56 3 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR V PORT 60°
- 57 3 WAY BALL VALVE WITH SCHRADER FIT FOR ACTUATOR
- 58 3 WAY BALL VALVE WITH SCHRADER FIT FOR ACTUATOR V PORT 30°
- 59 3 WAY BALL VALVE WITH SCHRADER FIT FOR ACTUATOR V PORT 60°
- 60 CHECK VALVE WITH STANDARD SPRING
- 61 CHECK VALVE WITH REINFORCED SPRING

R744 CO2 TRANSCRITICAL BRASS TYPE WITH CUFE2P CONNECTIONS

- 64 2 WAY BALL VALVE WITHOUT SCHRADER
- 65 2 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR
- 66 3 WAY BALL VALVE WITHOUT SCHRADER
- 67 2 WAY BALL VALVE WITH SCHRADER
- 68 3 WAY BALL VALVE WITH SCHRADER
- 69 2 WAY BALL VALVE WITHOUT SCHRADER
- 70 2 WAY BALL VALVE WITH SCHRADER
- 71 3 WAY BALL VALVE WITHOUT SCHRADER
- 72 3 WAY BALL VALVE WITH SCHRADER



- 72 2 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR
- 73 2 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR V PORT 30°
- 74 2 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR V PORT 60°
- 75 2 WAY BALL VALVE WITH SCHRADER FIT FOR ACTUATOR
- 76 2 WAY BALL VALVE WITH SCHRADER FIT FOR ACTUATOR V PORT 30°
- 77 2 WAY BALL VALVE WITH SCHRADER FIT FOR ACTUATOR V PORT 60°
- 78 3 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR
- 79 3 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR V PORT 30°
- 80 3 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR V PORT 60°
- 81 3 WAY BALL VALVE WITH SCHRADER FIT FOR ACTUATOR
- 82 3 WAY BALL VALVE WITH SCHRADER FIT FOR ACTUATOR V PORT 30°
- 83 3 WAY BALL VALVE WITH SCHRADER FIT FOR ACTUATOR V PORT 60°
- 84 CHECK VALVE WITH STANDARD SPRING
- 85 CHECK VALVE WITH REINFORCED SPRING

R744 CO2 TRANSCRITICAL STAINLESS STEEL TYPE AND CONNECTIONS

- 88 2 WAY BALL VALVE WITHOUT SCHRADER
- 89 3 WAY BALL VALVE WITHOUT SCHRADER
- 90 2 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR
- 91 2 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR V PORT 30°
- 92 2 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR V PORT 60°
- 93 3 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR
- 94 3 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR V PORT 30°
- 95 3 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR V PORT 60°
- 96 4 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR

R744 CO2 TRANSCRITICAL STAINLESS STEEL TYPE, CUFE2P CONNECTIONS

- 98 2 WAY BALL VALVE WITHOUT SCHRADER
- 99 3 WAY BALL VALVE WITHOUT SCHRADER



- 100 2 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR
- 101 2 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR V PORT 30°
- 102 2 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR V PORT 60°
- 103 3 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR
- 104 3 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR V PORT 30°
- 105 3 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR V PORT 60°
- 106 4 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR

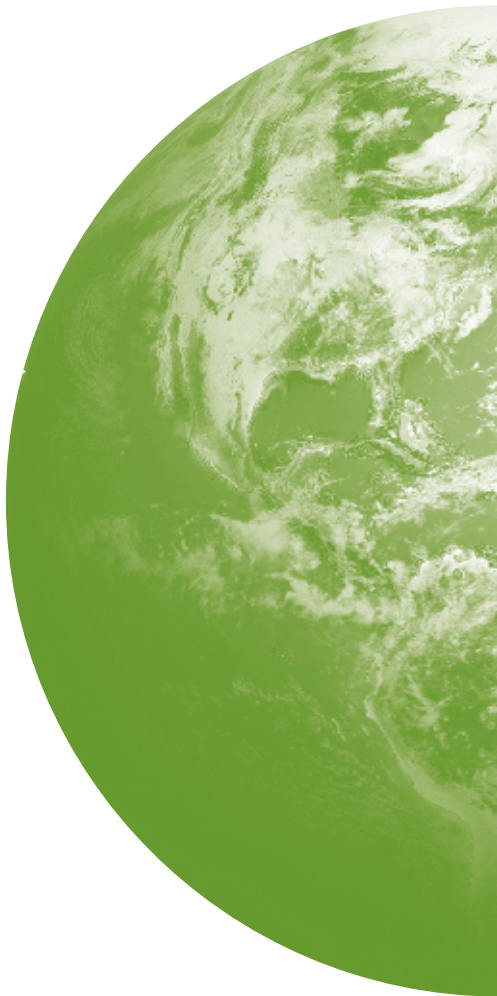
R744 CO2 TRANSCRITICAL OTHER COMPONENTS

- 108-111 HYBRID SERVICE VALVE
 - 112 CONNECTION KIT
- 113-115 ELECTRIC ACTUATOR ON/OFF
- 116-118 ELECTRIC ACTUATOR MODULATING
 - 119 ELECTRIC ACTUATOR WITH EMERGENCY FUCTION
 - 119 EXTERNAL AUXILIARY CONTACT
- 120 MOTOR KIT SELECTION CHART
- 121 BY PASS WITH SCHRADER
- 122 BY PASS WITHOUT SCHRADER
- 123 SIGHT GLASSES WITHOUT CONNECTIONS
- 124 SIGHT GLASSES WITH ODS K65 CONNECTIONS
- 125 Y STRAINER WITHOUT CONNECTION
- 126 Y STRAINER WITH CUFE2P CONNECTIONS
- 127 Y STRAINER WITH STAINLESS STEEL CONNECTIONS
- 127 3 WAY CHANGEOVER VALVE
- 128-131 SAFETY VALVE
 - 132 HYBRID SERVICE VALVE
 - 133 MANIFOLD
- 134-137 HYBRID SERVICE VALVE



138	INSULATING SLEEVE FOR BALL VALVE
139	MECHANISM - SCHRADER CAP
140	BEND 90° FEMALE/FEMALE
141	BEND 45° FEMALE/FEMALE
142-143	REDUCTIONS FEMALE/FEMALE
144	STRAIGHT COUPLING FEMALE/FEMALE
145	TEE FEMALE/FEMALE
146	REDUCTION FOR TEE
R717 AMMONIA	
148	2 WAY BALL VALVE WITHOUT SCHRADER
149	3 WAY BALL VALVE WITHOUT SCHRADER
150	2 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR
151	3 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR
152	4 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR
153	CONNECTION KIT
HC	
156	2 WAY BALL VALVE WITHOUT SCHRADER
157	2 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR
158	3 WAY BALL VALVE WITHOUT SCHRADER
159	3 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR
160	CHECK VALVE WITH STANDARD SPRING
161	CHECK VALVE WITH REINFORCED SPRING
161	3 WAY CHANGEOVER VALVE





R744
CO2
SUBCRITICAL



Valvola a sfera 2 vie senza Schrader

2 way ball valves without Schrader

2 wege kugelventile ohne Schrader

Vanne à bille 2 voies sans Schrader

2 WAY BALL VALVE WITHOUT SCHRADER

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	ODS				
	mm	inches	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

BV21Z006R0000	6		8	60	1,2
BV21Z014R0000		1/4"	8	60	1,2
BV21Z008R0000	8	5/16"	8	60	3,8
BV21Z038R0000		3/8"	8	60	4
BV21Z010R0000	10		8	60	4
BV21ZM12R0000	12		8	60	3,5
BV21Z012R0000		1/2"	8	60	3,5
BV21A006R0000	6		10	60	1,1
BV21A014R0000		1/4"	10	60	1,1
BV21A008R0000	8	5/16"	10	60	3,4
BV21A038R0000		3/8"	10	60	3,5
BV21A010R0000	10		10	60	3,5
BV21AM12R0000	12		10	60	6,7
BV21A012R0000		1/2"	10	60	6,7
BV21B015R0000	15		15	60	14,4
BV21B016R0000	16	5/8"	15	60	14,8
BV21B018R0000	18		15	60	17
BV21B034R0000		3/4"	15	60	16,9
BV21C022R0000	22	7/8"	19	60	29,3
BV21D028K0000	28		23,5	60	54,8
BV21D118K0000		1-1/8"	23,5	60	50,3
BV21E035R0000	35	1-3/8"	32	52	114,7
BV21F158R0000		1-5/8"	40	52	156,2
BV21F042R0000	42		40	52	156,9
BV21G054R0000	54	2-1/8"	50	52	354,8
BV21G064R0000	64		50	45	125,7
BV21G258R0000		2-5/8"	50	45	118,8



Valvole a sfera 2 vie con Schrader

2 way ball valves with Schrader

2 wege kugelventile mit Schrader

Vanne à bille 2 voies avec Schrader

2 WAY BALL VALVE WITH SCHRADER					
CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	ODS				
	mm	inches	Ø mm	bar	m³/h
TEMPERATURE °C MIN -40 / MAX +150					
SV21A006R0000	6		10	60	1,1
SV21A014R0000		1/4"	10	60	1,1
SV21A008R0000	8	5/16"	10	60	3,4
SV21A038R0000		3/8"	10	60	3,5
SV21A010R0000	10		10	60	3,5
SV21AM12R0000	12		10	60	6,7
SV21A012R0000		1/2"	10	60	6,7
SV21B015R0000	15		15	60	14,4
SV21B016R0000	16	5/8"	15	60	14,8
SV21B018R0000	18		15	60	17
SV21B034R0000		3/4"	15	60	16,9
SV21C022R0000	22	7/8"	19	60	29,3
SV21D028K0000	28		23,5	60	54,8
SV21D118K0000		1-1/8"	23,5	60	50,3
SV21E035R0000	35	1-3/8"	32	52	114,7
SV21F158R0000		1-5/8"	40	52	156,2
SV21F042R0000	42		40	52	156,9
SV21G054R0000	54	2-1/8"	50	52	354,8
SV21G064R0000	64		50	45	125,7
SV21G258R0000		2-5/8"	50	45	118,8



Valvole a sfera 3 vie senza Schrader

3 way ball valves without Schrader

3 wege kugelventile ohne Schrader

Vanne à bille 3 voies sans Schrader

3 WAY BALL VALVE WITHOUT SCHRADER

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	ODS				
	mm	inches	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

BV31A006R0000	6		9	60	0,9
BV31A014R0000		1/4"	9	60	0,9
BV31A008R0000	8	5/16"	9	60	*
BV31A038R0000		3/8"	9	60	2,1
BV31A010R0000	10		9	60	2,1
BV31AM12R0000	12		9	60	2,2
BV31A012R0000		1/2"	9	60	2,2
BV31B015R0000	15		13	60	4,3
BV31B016R0000	16	5/8"	13	60	4,4
BV31B018R0000	18		13	60	4,3
BV31B034R0000		3/4"	13	60	4,3
BV31C022R0000	22	7/8"	17	60	7,2
BV31D028K0000	28		22	60	12,1
BV31D118K0000		1-1/8"	22	60	12,4
BV31E035R0000	35	1-3/8"	26	52	15,3
BV31F158R0000		1-5/8"	36	52	35,5
BV31F042R0000	42		36	52	36,1
BV31G054R0000	54	2-1/8"	46	52	55,1
BV31G064R0000	64		46	45	51,7
BV31G258R0000		2-5/8"	46	45	54,4



Valvole a sfera 3 vie con Schrader

3 way ball valves with Schrader

3 wege kugelventile mit Schrader

Vanne à bille 3 voies avec Schrader

3 WAY BALL VALVE WITH SCHRADER					
CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	ODS				
	mm	inches	Ø mm	bar	m³/h
TEMPERATURE °C MIN -40 / MAX +150					
SV31A006R0000	6		9	60	0,9
SV31A014R0000		1/4"	9	60	0,9
SV31A008R0000	8	5/16"	9	60	*
SV31A038R0000		3/8"	9	60	2,1
SV31A010R0000	10		9	60	2,1
SV31AM12R0000	12		9	60	2,2
SV31A012R0000		1/2"	9	60	2,2
SV31B015R0000	15		13	60	4,3
SV31B016R0000	16	5/8"	13	60	4,4
SV31B018R0000	18		13	60	4,3
SV31B034R0000		3/4"	13	60	4,3
SV31C022R0000	22	7/8"	17	60	7,2
SV31D028K0000	28		22	60	12,1
SV31D118K0000		1-1/8"	22	60	12,4
SV31E035R0000	35	1-3/8"	26	52	15,3
SV31F158R0000		1-5/8"	36	52	35,5
SV31F042R0000	42		36	52	36,1
SV31G054R0000	54	2-1/8"	46	52	55,1
SV31G064R0000	64		46	45	51,7
SV31G258R0000		2-5/8"	46	45	54,4



Valvole a sfera 2 vie senza Schrader
predisposte per l'attuatore

2 way ball valves fit for actuator
without Schrader

2 wege kugelventile geeignet für antrieb
ohne Schrader

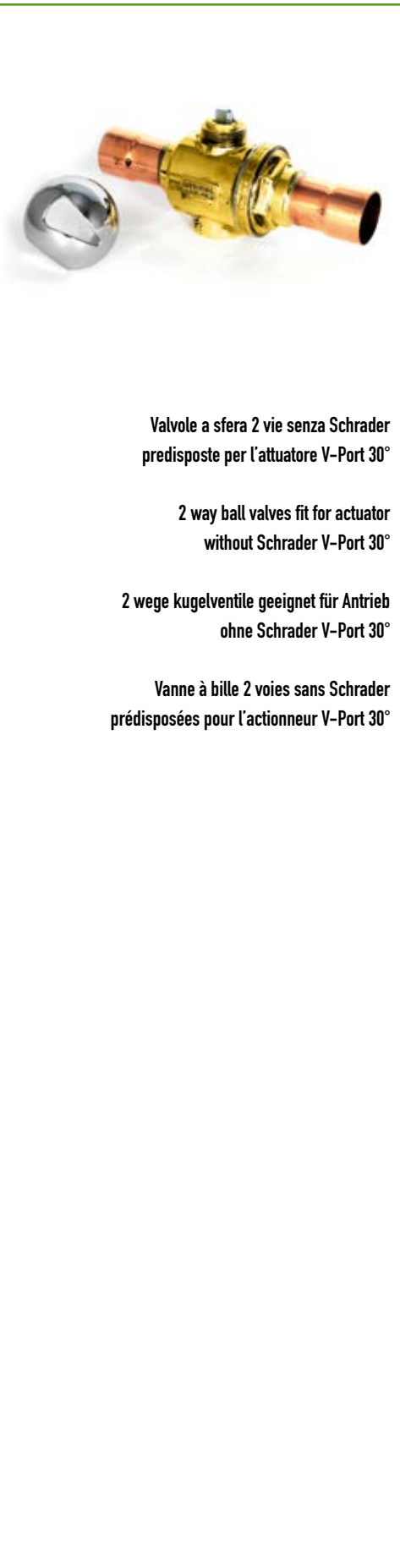
Vanne à bille 2 voies sans Schrader
prédisposées pour l'actionneur

2 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	ODS				
	mm	inches	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

BV21A006R0001	6		10	60	1,1
BV21A014R0001		1/4"	10	60	1,1
BV21A008R0001	8	5/16"	10	60	3,4
BV21A038R0001		3/8"	10	60	3,5
BV21A010R0001	10		10	60	3,5
BV21AM12R0001	12		10	60	6,7
BV21A012R0001		1/2"	10	60	6,7
BV21B015R0001	15		15	60	14,4
BV21B016R0001	16	5/8"	15	60	14,8
BV21B018R0001	18		15	60	17
BV21B034R0001		3/4"	15	60	16,9
BV21C022R0001	22	7/8"	19	60	29,3
BV21D028K0001	28		23,5	60	54,8
BV21D118K0001		1-1/8"	23,5	60	50,3
BV21E035R0001	35	1-3/8"	32	52	114,7
BV21F158R0001		1-5/8"	40	52	156,2
BV21F042R0001	42		40	52	156,9
BV21G054R0001	54	2-1/8"	50	52	354,8
BV21G064R0001	64		50	45	125,7
BV21G258R0001		2-5/8"	50	45	118,8



Valvole a sfera 2 vie senza Schrader predisposte per l'attuatore V-Port 30°

2 way ball valves fit for actuator without Schrader V-Port 30°

2 wege kugelventile geeignet für Antrieb ohne Schrader V-Port 30°

Vanne à bille 2 voies sans Schrader prédisposées pour l'actionneur V-Port 30°

2 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR V PORT 30°

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	ODS				
	mm	inches	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

BV21A006R0003	6		10	60	*
BV21A014R0003		1/4"	10	60	*
BV21A008R0003	8	5/16"	10	60	*
BV21A038R0003		3/8"	10	60	*
BV21A010R0003	10		10	60	*
BV21AM12R0003	12		10	60	*
BV21A012R0003		1/2"	10	60	*
BV21B015R0003	15		14	60	*
BV21B016R0003	16	5/8"	14	60	*
BV21B018R0003	18		14	60	*
BV21B034R0003		3/4"	14	60	*
BV21C022R0003	22	7/8"	17	60	*
BV21D028K0003	28		22	60	*
BV21D118K0003		1-1/8"	22	60	*
BV21E035R0003	35	1-3/8"	26	52	*
BV21F158R0003		1-5/8"	38	52	*
BV21F042R0003	42		38	52	*



Valvole a sfera 2 vie senza Schrader
predisposte per l'attuatore

2 way ball valves fit for actuator
without Schrader

2 wege kugelventile geeignet für antrieb
ohne Schrader

Vanne à bille 2 voies sans Schrader
prédisposées pour l'actionneur

2 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR V PORT 60°

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	ODS				
	mm	inches	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

BV21A006R0004	6		10	60	*
BV21A014R0004		1/4"	10	60	*
BV21A008R0004	8	5/16"	10	60	*
BV21A038R0004		3/8"	10	60	*
BV21A010R0004	10		10	60	*
BV21AM12R0004	12		10	60	*
BV21A012R0004		1/2"	10	60	*
BV21B015R0004	15		14	60	*
BV21B016R0004	16	5/8"	14	60	*
BV21B018R0004	18		14	60	*
BV21B034R0004		3/4"	14	60	*
BV21C022R0004	22	7/8"	17	60	*
BV21D028K0004	28		22	60	*
BV21D118K0004		1-1/8"	22	60	*
BV21E035R0004	35	1-3/8"	26	52	*
BV21F158R0004		1-5/8"	38	52	*
BV21F042R0004	42		38	52	*



Valvole a sfera 2 vie con Schrader predisposte per l'attuatore

2 way ball valves fit for actuator with Schrader

2 wege kugelventile geeignet für antrieb mit Schrader

Vanne à bille 2 voies avec Schrader prédisposées pour l'actionneur

2 WAY BALL VALVE WITH SCHRADER FIT FOR ACTUATOR

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	ODS				
	mm	inches	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

SV21A006R0001	6		10	60	1,1
SV21A014R0001		1/4"	10	60	1,1
SV21A008R0001	8	5/16"	10	60	3,4
SV21A038R0001		3/8"	10	60	3,5
SV21A010R0001	10		10	60	3,5
SV21AM12R0001	12		10	60	6,7
SV21A012R0001		1/2"	10	60	6,7
SV21B015R0001	15		15	60	14,4
SV21B016R0001	16	5/8"	15	60	14,8
SV21B018R0001	18		15	60	17
SV21B034R0001		3/4"	15	60	16,9
SV21C022R0001	22	7/8"	19	60	29,3
SV21D028K0001	28		23,5	60	54,8
SV21D118K0001		1-1/8"	23,5	60	50,3
SV21E035R0001	35	1-3/8"	32	52	114,7
SV21F158R0001		1-5/8"	40	52	156,2
SV21F042R0001	42		40	52	156,9
SV21G054R0001	54	2-1/8"	50	52	354,8
SV21G064R0001	64		50	45	125,7
SV21G258R0001		2-5/8"	50	45	118,8



Valvole a sfera 2 vie con Schrader predisposte per l'attuatore V-Port 30°

2 way ball valves fit for actuator with Schrader V-Port 30°

2 wege kugelventile geeignet für antrieb mit Schrader V-Port 30°

Vanne à bille 2 voies avec Schrader prédisposées pour l'actionneur V-Port 30°

2 WAY BALL VALVE WITH SCHRADER FIT FOR ACTUATOR V PORT 30°

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	ODS				
	mm	inches	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

SV21A006R0003	6		10	60	*
SV21A014R0003		1/4"	10	60	*
SV21A008R0003	8	5/16"	10	60	*
SV21A038R0003		3/8"	10	60	*
SV21A010R0003	10		10	60	*
SV21AM12R0003	12		10	60	*
SV21A012R0003		1/2"	10	60	*
SV21B015R0003	15		14	60	*
SV21B016R0003	16	5/8"	14	60	*
SV21B018R0003	18		14	60	*
SV21B034R0003		3/4"	14	60	*
SV21C022R0003	22	7/8"	17	60	*
SV21D028K0003	28		22	60	*
SV21D118K0003		1-1/8"	22	60	*
SV21E035R0003	35	1-3/8"	26	52	*
SV21F158R0003		1-5/8"	38	52	*
SV21F042R0003	42		38	52	*



Valvole a sfera 2 vie con Schrader predisposte per l'attuatore V-Port 60°

2 way ball valves fit for actuator with Schrader V-Port 60°

2 wege kugelventile geeignet für antrieb mit Schrader V-Port 60°

Vanne à bille 2 voies avec Schrader prédisposées pour l'actionneur V-Port 60°

2 WAY BALL VALVE WITH SCHRADER FIT FOR ACTUATOR V PORT 60°

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	ODS				
	mm	inches	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

SV21A006R0004	6		10	60	*
SV21A014R0004		1/4"	10	60	*
SV21A008R0004	8	5/16"	10	60	*
SV21A038R0004		3/8"	10	60	*
SV21A010R0004	10		10	60	*
SV21AM12R0004	12		10	60	*
SV21A012R0004		1/2"	10	60	*
SV21B015R0004	15		14	60	*
SV21B016R0004	16	5/8"	14	60	*
SV21B018R0004	18		14	60	*
SV21B034R0004		3/4"	14	60	*
SV21C022R0004	22	7/8"	17	60	*
SV21D028K0004	28		23,5	60	*
SV21D118K0004		1-1/8"	23,5	60	*
SV21E035R0004	35	1-3/8"	26	52	*
SV21F158R0004		1-5/8"	38	52	*
SV21F042R0004	42		38	52	*



Valvole a sfera 3 vie senza Schrader predisposte per l'attuatore

3 way ball valves fit for actuator without Schrader

3 wege kugelventile geeignet für antrieb ohne Schrader

Vanne à bille 3 voies sans Schrader prédisposées pour l'actionneur

3 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	ODS				
	mm	inches	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

BV31A006R0001	6		9	60	0,9
BV31A014R0001		1/4"	9	60	0,9
BV31A008R0001	8	5/16"	9	60	*
BV31A038R0001		3/8"	9	60	2,1
BV31A010R0001	10		9	60	2,1
BV31AM12R0001	12		9	60	2,2
BV31A012R0001		1/2"	9	60	2,2
BV31B015R0001	15		13	60	4,3
BV31B016R0001	16	5/8"	13	60	4,4
BV31B018R0001	18		13	60	4,3
BV31B034R0001		3/4"	13	60	4,3
BV31C022R0001	22	7/8"	17	60	7,2
BV31D028K0001	28		22	60	12,1
BV31D118K0001		1-1/8"	22	60	12,4
BV31E035R0001	35	1-3/8"	26	52	15,3
BV31F158R0001		1-5/8"	36	52	35,5
BV31F042R0001	42		36	52	36,1
BV31G054R0001	54	2-1/8"	46	52	55,1
BV31G064R0001	64		46	45	51,7
BV31G258R0001		2-5/8"	46	45	54,4



Valvole a sfera 3 vie senza Schrader predisposte per l'attuatore V-Port 30°

3 way ball valves fit for actuator without Schrader V-Port 30°

3 wege kugelventile geeignet für antrieb ohne Schrader V-Port 30°

Vanne à bille 3 voies sans Schrader prédisposées pour l'actionneur V-Port 30°

3 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR V PORT 30°

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	ODS				
	mm	inches	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

BV31A006R0003	6		9	60	*
BV31A014R0003		1/4"	9	60	*
BV31A008R0003	8	5/16"	9	60	*
BV31A038R0003		3/8"	9	60	*
BV31A010R0003	10		9	60	*
BV31AM12R0003	12		9	60	*
BV31A012R0003		1/2"	9	60	*
BV31B015R0003	15		14	60	*
BV31B016R0003	16	5/8"	14	60	*
BV31B018R0003	18		14	60	*
BV31B034R0003		3/4"	14	60	*
BV31C022R0003	22	7/8"	17	60	*
BV31D028K0003	28		22	60	*
BV31D118K0003		1-1/8"	22	60	*
BV31E035R0003	35	1-3/8"	26	52	*
BV31F158R0003		1-5/8"	36	52	*
BV31F042R0003	42		36	52	*
BV31G054R0003	54	2-1/8"	46	52	*
BV31G064R0003	64		46	45	*
BV31G258R0003		2-5/8"	46	45	*



Valvole a sfera 3 vie senza Schrader predisposte per l'attuatore V-Port 60°

3 way ball valves fit for actuator without Schrader V-Port 60°

3 wege kugelventile geeignet für antrieb ohne Schrader V-Port 60°

Vanne à bille 3 voies sans Schrader prédisposées pour l'actionneur V-Port 60°

3 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR V PORT 60°

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	ODS				
	mm	inches	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

BV31A006R0004	6		9	60	*
BV31A014R0004		1/4"	9	60	*
BV31A008R0004	8	5/16"	9	60	*
BV31A038R0004		3/8"	9	60	*
BV31A010R0004	10		9	60	*
BV31AM12R0004	12		9	60	*
BV31A012R0004		1/2"	9	60	*
BV31B015R0004	15		14	60	*
BV31B016R0004	16	5/8"	14	60	*
BV31B018R0004	18		14	60	*
BV31B034R0004		3/4"	14	60	*
BV31C022R0004	22	7/8"	17	60	*
BV31D028K0004	28		22	60	*
BV31D118K0004		1-1/8"	22	60	*
BV31E035R0004	35	1-3/8"	26	52	*
BV31F158R0004		1-5/8"	36	52	*
BV31F042R0004	42		36	52	*
BV31G054R0004	54	2-1/8"	46	52	*
BV31G064R0004	64		46	45	*
BV31G258R0004		2-5/8"	46	45	*



3 WAY BALL VALVE WITH SCHRADER FIT FOR ACTUATOR

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	ODS				
	mm	inches	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

SV31A006R0001	6		9	60	0,9
SV31A014R0001		1/4"	9	60	0,9
SV31A008R0001	8	5/16"	9	60	*
SV31A038R0001		3/8"	9	60	2,1
SV31A010R0001	10		9	60	2,1
SV31AM12R0001	12		9	60	2,2
SV31A012R0001		1/2"	9	60	2,2
SV31B015R0001	15		13	60	4,3
SV31B016R0001	16	5/8"	13	60	4,4
SV31B018R0001	18		13	60	4,3
SV31B034R0001		3/4"	13	60	4,3
SV31C022R0001	22	7/8"	17	60	7,2
SV31D028K0001	28		22	60	12,1
SV31D118K0001		1-1/8"	22	60	12,4
SV31E035R0001	35	1-3/8"	26	52	15,3
SV31F158R0001		1-5/8"	36	52	35,5
SV31F042R0001	42		36	52	36,1
SV31G054R0001	54	2-1/8"	46	52	55,1
SV31G064R0001	64		46	45	51,7
SV31G258R0001		2-5/8"	46	45	54,4



Valvole a sfera 3 vie con Schrader predisposte per l'attuatore

3 way ball valves fit for actuator with Schrader

3 wege kugelventile geeignet für antrieb mit Schrader

Vanne à bille 3 voies avec Schrader prédisposées pour l'actionneur



Valvole a sfera 3 vie con Schrader predisposte per l'attuatore V-Port 30°

3 way ball valves fit for actuator with Schrader V-Port 30°

3 wege kugelventile geeignet für antrieb mit Schrader V-Port 30°

Vanne à bille 3 voies avec Schrader prédisposées pour l'actionneur V-Port 30°

3 WAY BALL VALVE WITH SCHRADER FIT FOR ACTUATOR V PORT 30°

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	ODS				
	mm	inches	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

SV31A006R0003	6		9	60	*
SV31A014R0003		1/4"	9	60	*
SV31A008R0003	8	5/16"	9	60	*
SV31A038R0003		3/8"	9	60	*
SV31A010R0003	10		9	60	*
SV31AM12R0003	12		9	60	*
SV31A012R0003		1/2"	9	60	*
SV31B015R0003	15		14	60	*
SV31B016R0003	16	5/8"	14	60	*
SV31B018R0003	18		14	60	*
SV31B034R0003		3/4"	14	60	*
SV31C022R0003	22	7/8"	17	60	*
SV31D028K0003	28		22	60	*
SV31D118K0003		1-1/8"	22	60	*
SV31E035R0003	35	1-3/8"	26	52	*
SV31F158R0003		1-5/8"	36	52	*
SV31F042R0003	42		36	52	*
SV31G054R0003	54	2-1/8"	46	52	*
SV31G064R0003	64		46	45	*
SV31G258R0003		2-5/8"	46	45	*



Valvole a sfera 3 vie con Schrader predisposte per l'attuatore V-Port 60°

3 way ball valves fit for actuator with Schrader V-Port 60°

3 wege kugelventile geeignet für antrieb mit Schrader V-Port 60°

Vanne à bille 3 voies avec Schrader prédisposées pour l'actionneur V-Port 60°

3 WAY BALL VALVE WITH SCHRADER FIT FOR ACTUATOR V PORT 60°

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	ODS				
	mm	inches	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

SV31A006R0004	6		9	60	*
SV31A014R0004		1/4"	9	60	*
SV31A008R0004	8	5/16"	9	60	*
SV31A038R0004		3/8"	9	60	*
SV31A010R0004	10		9	60	*
SV31AM12R0004	12		9	60	*
SV31A012R0004		1/2"	9	60	*
SV31B015R0004	15		14	60	*
SV31B016R0004	16	5/8"	14	60	*
SV31B018R0004	18		14	60	*
SV31B034R0004		3/4"	14	60	*
SV31C022R0004	22	7/8"	17	60	*
SV31D028K0004	28		22	60	*
SV31D118K0004		1-1/8"	22	60	*
SV31E035R0004	35	1-3/8"	26	52	*
SV31F158R0004		1-5/8"	36	52	*
SV31F042R0004	42		36	52	*
SV31G054R0004	54	2-1/8"	46	52	*
SV31G064R0004	64		46	45	*
SV31G258R0004		2-5/8"	46	45	*



**Valvole a sfera 4 vie
 predisposte per l'attuatore**

**4 way ball valves
 fit for actuator**

**4 wege kugelventile
 geeignet für antrieb**

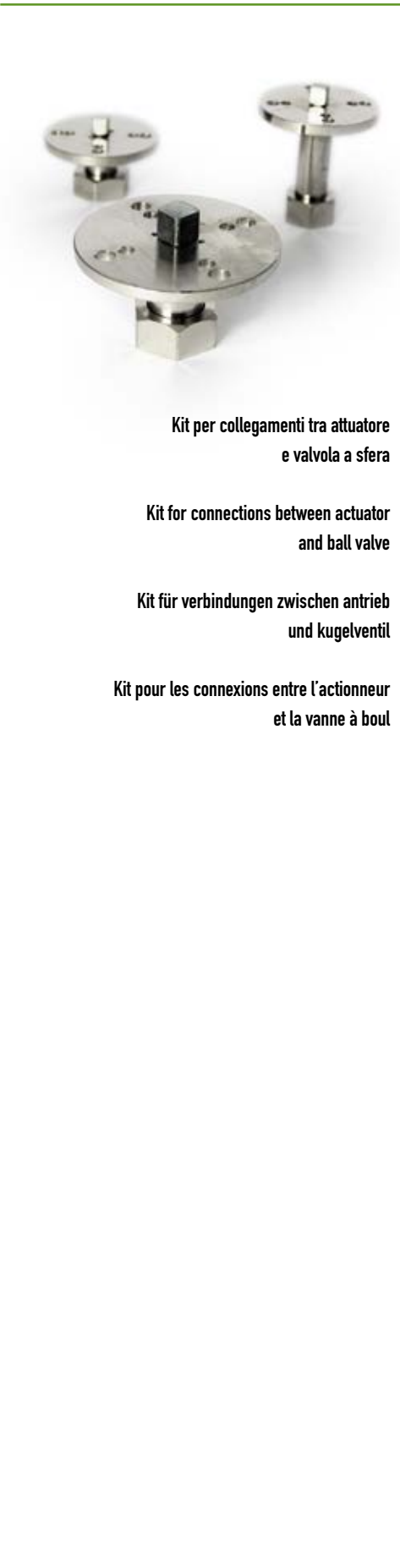
**Vanne à bille 4 voies
 prédisposées pour l'actionneur**

4 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR

CODE	CONNECTIONS		PS	KV
	ODS			
	mm	inches	bar	m ³ /h

TEMPERATURE °C MIN -40 / MAX +150

BV41X022K0001	22	7/8"	52	*
BV41X028K0001	28		52	*
BV41X118K0001		1-1/8"	52	*



Kit per collegamenti tra attuatore
e valvola a sfera

Kit for connections between actuator
and ball valve

Kit für verbindungen zwischen antrieb
und kugelventil

Kit pour les connexions entre l'actionneur
et la vanne à boul

CONNECTION KIT			
CODE	TYPE	SQUARE	FLANGE TYPE
		mm	
KAB09F350401	A-B	9	F03 / F05
KAB14F350401	A-B	14	F03 / F05
KCD09F350401	C-D	9	F03 / F05
KCD14F350401	C-D	14	F03 / F05
KEG14F570401	E-G-Y-W	14	F05 / F07
K0F14F570401	F	14	F05 / F07
K0F17F570401	F	17	F05 / F07
KHL14F570400	H-L-M-Q	14	F05 / F07
KHL14F570402	H-L-M-Q (3-WAY)	14	F05 / F07
KHL17F570400	H-L-M-Q	17	F05 / F07
KHL17F570402	H-L-M-Q (3-WAY)	17	F05 / F07
KEG14F570403	X (4-WAY)	14	F05 / F07



Attuatori ON/OFF

Electric Actuator ON/OFF

Elektroantrieb AUF/ZU

Actionneurs ON/OFF

ELECTRIC ACTUATOR ON/OFF

CODE	TORQUE	NOMINAL VOLTAGE	RUNNING TIME	DEGREE OF PROTECTION	INTERNAL PIN CODE
	Nm	V	S	IP	

BELIMO

EASR230A-R-RFG	20	230V	90(S)	IP54	1
EASR24A-R	20	24V	90(S)	IP54	1
EAGR230A-R-RFG	40	230V	150(S)	IP54	2
EAGR24A-R	40	24V	150(S)	IP54	2
EAPRCA-S2-T-RFG	160	24/230V	30-120(S)	IP66	3

CODE	INTERNAL PIN CODE	DESCRIPTION
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INTERNAL PIN CODE

EASV-09	1	Internal Pin 9 x 9
EAGV-14REF	2	Internal Pin 14 x 14
EAPR02	3	Internal Pin 17 x 17



Attuatori ON/OFF

Electric Actuator ON/OFF

Elektroantrieb AUF/ZU

Actionneurs ON/OFF



ELECTRIC ACTUATOR ON/OFF

CODE	TORQUE	NOMINAL VOLTAGE	RUNNING TIME	DEGREE OF PROTECTION
	Nm	V	S	IP

END ARMATUREN

EANA034100	30	230V	12(S)	IP67
EANA052100	50	24V	8/14(S)	IP67
EANA054100	50	230V	14(S)	IP67
EANA058100	50	230V	14(S)	IP67
EANA092100	90	24V	17(S)	IP67
EANA094100	90	230V	17(S)	IP67
EANA154100	150	230V	20(S)	IP67



Attuatori ON/OFF

Electric Actuator ON/OFF

Elektroantrieb AUF/ZU

Actionneurs ON/OFF



Attuatori ON/OFF

Electric Actuator ON/OFF

Elektroantrieb AUF/ZU

Actionneurs ON/OFF

ELECTRIC ACTUATOR ON/OFF

CODE	TORQUE	NOMINAL VOLTAGE	RUNNING TIME	DEGREE OF PROTECTION
	Nm	V	S	IP

JOHNSON CONTROLS

EAJ020230	20	230V	60(S)	IP65
EAJ100024	20	24V	60(S)	IP65
EAJ100230	100	230V	150(S)	IP65
EAJ100024	100	24V	150(S)	IP65



Attuatori Modulanti

Modulating Electric Actuator

Elektroantrieb mit Stellungsregler

Actionneurs Modulants

ELECTRIC ACTUATOR MODULATING

CODE	TORQUE	NOMINAL VOLTAGE	RUNNING TIME	DEGREE OF PROTECTION	INTERNAL PIN CODE
	Nm	V	S	IP	

BELIMO

EASR24A-MP-R	20	24V	90(S)	IP54	1
EAGR24A-MP-R	40	24V	150(S)	IP54	2
EAPRCA-BACS2-T-RF	160	2-10V	35(S)	IP66	3

CODE	INTERNAL PIN CODE	DESCRIPTION
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INTERNAL PIN CODE

EASV-09	1	Internal Pin 9 x 9
EAGV-14REF	2	Internal Pin 14 x 14
EAPR02	3	Internal Pin 17 x 17



Attuatori Modulanti

Modulating Electric Actuator

Elektroantrieb mit Stellungsregler

Actionneurs Modulants



Attuatori Modulanti

Modulating Electric Actuator

Elektroantrieb mit Stellungsregler

Actionneurs Modulants

ELECTRIC ACTUATOR MODULATING

CODE	TORQUE	NOMINAL VOLTAGE	RUNNING TIME	DEGREE OF PROTECTION
	Nm	V	S	IP

END ARMATUREN

EANA054100M	50	230V	14(S)	IP67
EANA054100M210	50	230V	14(S)	IP67
EANA092100M	90	24V	17(S)	IP67
EANA094100M	90	230V	17(S)	IP67
EANA154100M	150	230V	20(S)	IP67



Attuatori Modulanti

Modulating Electric Actuator

Elektroantrieb mit Stellungsregler

Actionneurs Modulants

ELECTRIC ACTUATOR MODULATING				
CODE	TORQUE	NOMINAL VOLTAGE	RUNNING TIME	DEGREE OF PROTECTION
	Nm	V	S	IP
JOHNSON CONTROLS				
EAJ020024M	20	0-10V	60(S)	IP65
EAJ100024M	100	0-10V	150(S)	IP65



ELECTRIC ACTUATOR WITH EMERGENCY FUCTION

CODE	TORQUE	NOMINAL VOLTAGE	RUNNING TIME	DEGREE OF PROTECTION	INTERNAL PIN CODE
	Nm	V	S	IP	

BELIMO

EASRFA-S2-R	20	24V/230V	75(S)	IP54	1
EAGRK24AX	40	24V	150(S)	IP54	2
EAPRKCA-BAC-S2-T-R	160	24-240V	30-120(S)	IP66	3



Attuatori con funzione di emergenza
Electric Actuator with emergency function
Elektroantrieb mit notfunktion
Actionneurs avec fonction d'urgence

CODE	INTERNAL PIN CODE	DESCRIPTION
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INTERNAL PIN CODE

EASZSV-09	1	Internal Pin 9 x 9
EAZGV-14REF	2	Internal Pin 14 x 14
EAZPR02	3	Internal Pin 17 x 17



Attuatori con funzione di emergenza
Electric Actuator with emergency function
Elektroantrieb mit notfunktion
Actionneurs avec fonction d'urgence

EXTERNAL AUXILIARY CONTACT

CODE	N° OF SWITCHES	CABLE
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EAS2A-GR	2 x SPDT	1m, 6 x 0,75mm ²
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Contatto ausiliario esterno
External auxiliary contact
Zusatzaußenkontakt
Contact auxiliaire externe

MOTOR KIT SELECTION CHART

BODY VALVE TYPE	KIT CODE	q (mm)	FLANGE TYPE	ACTUATOR ON/OFF			ACTUATOR WITH MODULATING FUNCTION				
				BELIMO	JOHNSON CONTROLS	END-ARMATUREN	BELIMO	JOHNSON CONTROLS	END-ARMATUREN		
A, B	KAB09F350401	9	F03 / F05	230V	24V	24V	24V 0-10V	24V 0-10V	230V	24V	
				EASR230A-RFG 20Nm 90Sec.	EASR24A-R	EASR24A-R-R	EASR24A-R-R	EASR24A-R-R	EASR24A-R-R	EASR24A-R-R	20Nm 90Sec.
				EASV-09 Internal pin 9/9	EASV-09	EASV-09	EASV-09	EASV-09	EASV-09	EASV-09	Internal pin 9/9
				EAGR230A-R-FRG 40Nm 150 Sec.	EAGR24A-R	EAGR24A-R	EAGR24A-R-R	EAGR24A-R-R	EAGR24A-R-R	EAGR24A-R-R	50Nm 8/14 Sec.
C, D, J, K	KCD09F350401	9	F03 / F05	230V	24V	24V	24V 0-10V	24V 0-10V	230V	24V	
				EASR230A-RFG 20Nm 90Sec.	EASR24A-R	EASR24A-R	EASR24A-R-R	EASR24A-R-R	EASR24A-R-R	EASR24A-R-R	20Nm 90Sec.
				EASV-09 Internal pin 9/9	EASV-09	EASV-09	EASV-09	EASV-09	EASV-09	EASV-09	Internal pin 9/9
				EAGR230A-R-FRG 40Nm 150 Sec.	EAGR24A-R	EAGR24A-R	EAGR24A-R-R	EAGR24A-R-R	EAGR24A-R-R	EAGR24A-R-R	50Nm 14 Sec.
E, G, W, Y	KEG14F570401	14	F05 / F07	230V	24V	24V	24V 0-10V	24V 0-10V	230V	24V	
				EASR230A-RFG 40Nm 150 Sec.	EASR24A-R	EASR24A-R	EASR24A-R-R	EASR24A-R-R	EASR24A-R-R	EASR24A-R-R	40Nm 150 Sec.
				EASV-09 Internal pin 14x14	EASV-09	EASV-09	EASV-09	EASV-09	EASV-09	EASV-09	Internal pin 14x14
				EAGR230A-R-FRG 40Nm 150 Sec.	EAGR24A-R	EAGR24A-R	EAGR24A-R-R	EAGR24A-R-R	EAGR24A-R-R	EAGR24A-R-R	50Nm 8/14 Sec.
F	KOF14F570401	14	F05 / F07	230V	24V	24V	24V 0-10V	24V 0-10V	230V	24V	
				EASR230A-RFG 40Nm 150 Sec.	EASR24A-R	EASR24A-R	EASR24A-R-R	EASR24A-R-R	EASR24A-R-R	EASR24A-R-R	40Nm 150 Sec.
				EASV-09 Internal pin 14x14	EASV-09	EASV-09	EASV-09	EASV-09	EASV-09	EASV-09	Internal pin 14x14
				EAGR230A-R-FRG 40Nm 150 Sec.	EAGR24A-R	EAGR24A-R	EAGR24A-R-R	EAGR24A-R-R	EAGR24A-R-R	EAGR24A-R-R	50Nm 14 Sec.
H, L, M, Q	KHL14F570400	14	F05 / F07	230V	24V	24V	24V 0-10V	24V 0-10V	230V	24V	
				EASR230A-RFG 40Nm 150 Sec.	EASR24A-R	EASR24A-R	EASR24A-R-R	EASR24A-R-R	EASR24A-R-R	EASR24A-R-R	40Nm 150 Sec.
				EASV-09 Internal pin 14x14	EASV-09	EASV-09	EASV-09	EASV-09	EASV-09	EASV-09	Internal pin 14x14
				EAGR230A-R-FRG 40Nm 150 Sec.	EAGR24A-R	EAGR24A-R	EAGR24A-R-R	EAGR24A-R-R	EAGR24A-R-R	EAGR24A-R-R	50Nm 14 Sec.
2 WAY	KHL17F570400	17	F05 / F07	230V	24V	24V	24V 0-10V	24V 0-10V	230V	24V	
				EAPRCA-S2-FRG 160Nm 35 Sec.	EAPRCA-S2-FRG	EAPRCA-S2-FRG	EAPRCA-S2-FRG	EAPRCA-S2-FRG	EAPRCA-S2-FRG	EAPRCA-S2-FRG	160Nm 35 Sec.
				EAPR02 Internal pin 17x17	EAPR02	EAPR02	EAPR02	EAPR02	EAPR02	EAPR02	Internal pin 17x17
				EAPRCA-S2-FRG 160Nm 35 Sec.	EAPRCA-S2-FRG	EAPRCA-S2-FRG	EAPRCA-S2-FRG	EAPRCA-S2-FRG	EAPRCA-S2-FRG	EAPRCA-S2-FRG	90Nm 17 Sec.
H, L, M, Q	KHL14F570402	14	F05 / F07	230V	24V	24V	24V 0-10V	24V 0-10V	230V	24V	
				EASR230A-RFG 20Nm 90Sec.	EASR24A-R	EASR24A-R	EASR24A-R-R	EASR24A-R-R	EASR24A-R-R	EASR24A-R-R	20Nm 90Sec.
				EASV-09 Internal pin 9/9	EASV-09	EASV-09	EASV-09	EASV-09	EASV-09	EASV-09	Internal pin 9/9
				EAGR230A-R-FRG 40Nm 150 Sec.	EAGR24A-R	EAGR24A-R	EAGR24A-R-R	EAGR24A-R-R	EAGR24A-R-R	EAGR24A-R-R	50Nm 14 Sec.
3WAY	KHL17F570402	17	F05 / F07	230V	24V	24V	24V 0-10V	24V 0-10V	230V	24V	
				EAPRCA-S2-FRG 160Nm 35 Sec.	EAPRCA-S2-FRG	EAPRCA-S2-FRG	EAPRCA-S2-FRG	EAPRCA-S2-FRG	EAPRCA-S2-FRG	EAPRCA-S2-FRG	160Nm 35 Sec.
				EAPR02 Internal pin 17x17	EAPR02	EAPR02	EAPR02	EAPR02	EAPR02	EAPR02	Internal pin 17x17
				EAPRCA-S2-FRG 160Nm 35 Sec.	EAPRCA-S2-FRG	EAPRCA-S2-FRG	EAPRCA-S2-FRG	EAPRCA-S2-FRG	EAPRCA-S2-FRG	EAPRCA-S2-FRG	90Nm 17 Sec.
X 4 WAY 22mm - 28mm - 1-1/8"	KEG14F570403	14	F05 / F07	230V	24V	24V	24V 0-10V	24V 0-10V	230V	24V	
				EASR230A-RFG 20Nm 90Sec.	EASR24A-R	EASR24A-R	EASR24A-R-R	EASR24A-R-R	EASR24A-R-R	EASR24A-R-R	20Nm 90Sec.
				EASV-09 Internal pin 9/9	EASV-09	EASV-09	EASV-09	EASV-09	EASV-09	EASV-09	Internal pin 9/9
				EAGR230A-R-FRG 40Nm 150 Sec.	EAGR24A-R	EAGR24A-R	EAGR24A-R-R	EAGR24A-R-R	EAGR24A-R-R	EAGR24A-R-R	50Nm 14 Sec.

TYPE: identifies the valve body. The corresponding letter can be found inside the valve product code: for example for two ways valve 12 mm SV21 AM12R0001 (fifth position from left).

KIT CODE: refers to the KIT to be mounted on the valve to connect the actuator.

This is a selection chart to facilitate a proper valve, kit and motor matching. A complete motorized valve unit consists of: VALVE + KIT + ACTUATOR (only for Belimo engines an additional motor internal pin is required). NOTE: Connection kit is never included and must be ordered separately.

All motors technical data shown on this chart are for general information purposes only and may vary without any further notice. Current technical specifications are available on request.

Motor IP code

BELIMO: IP54

JOHNSON CONTROLS: IP65

END-ARMATUREN: IP67

Motors: EAPRCA-S2-FRG and EAPRCA-S2-FRG are IP66

All



Valvole di ritegno con molla Standard

Check valves with Standard spring

Rückschlagventile mit Standardfeder

Vannes d'étanchéité avec ressort Standard

CHECK VALVE WITH STANDARD SPRING

CODE	CONNECTIONS		PS	KV
	ODS			
	mm	inches	bar	m ³ /h
CVN1006R0000	6		60	*
CVN1014R0000		1/4"	60	*
CVN1038R0000		3/8"	60	*
CVN1010R0000	10		60	*
CVN1M12R0000	12		60	*
CVN1012R0000		1/2"	60	*
CVN1015R0000	15		60	*
CVN1016R0000	16	5/8"	60	*
CVN1018R0000	18		60	*
CVN1034R0000		3/4"	60	*
CVN1022R0000	22	7/8"	60	*
CVN1028K0000	28		60	*
CVN1118K0000		1-1/8"	60	*
CVN1035R0000	35	1-3/8"	52	*
CVN1158R0000		1-5/8"	52	*
CVN1042R0000	42		52	*
CVN1054R0000	54	2-1/8"	52	*
CVN1064R0001	64		45	*
CVN1258R0001		2-5/8"	45	*

STANDARD SPRING MINIMUM OPENING PRESSURE DIFFERENTIAL =0,1 bar



Valvole di ritegno con molla Rinforzata

Check valves with Reinforced spring

Rückschlagventile mit Verstärkter feder

Vannes d'étanchéité avec ressort Renforcé

CHECK VALVE WITH REINFORCED SPRING

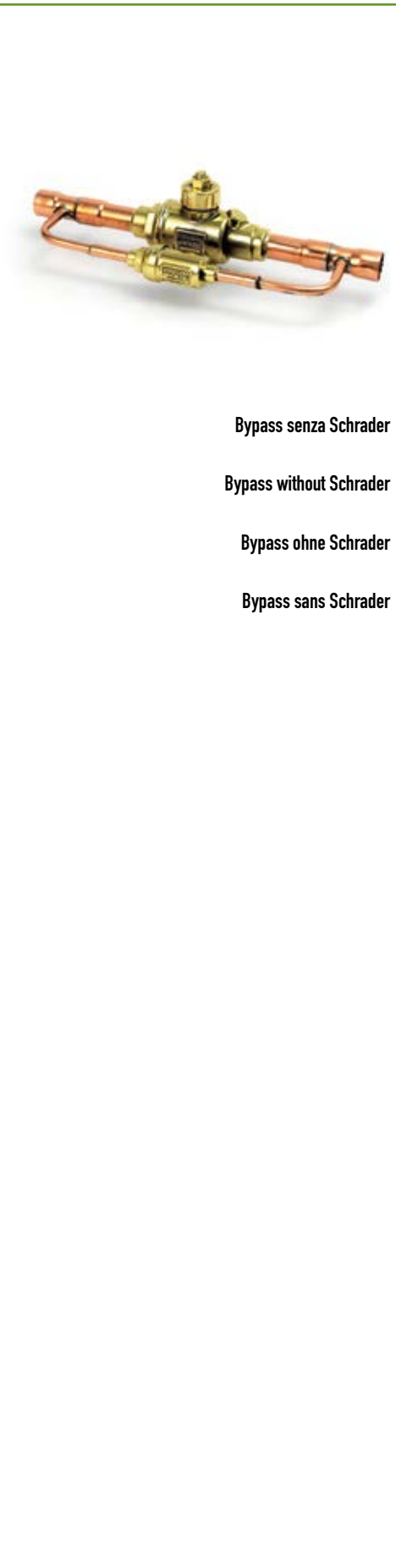
CODE	CONNECTIONS		PS	KV
	ODS			
	mm	inches	bar	m ³ /h
CVR1006R0000	6		60	*
CVR1014R0000		1/4"	60	*
CVR1038R0000		3/8"	60	*
CVR1010R0000	10		60	*
CVR1M12R0000	12		60	*
CVR1012R0000		1/2"	60	*
CVR1015R0000	15		60	*
CVR1016R0000	16	5/8"	60	*
CVR1018R0000	18		60	*
CVR1034R0000		3/4"	60	*
CVR1022R0000	22	7/8"	60	*
CVR1028K0000	28		60	*
CVR1118K0000		1-1/8"	60	*
CVR1035R0000	35	1-3/8"	52	*
CVR1158R0000		1-5/8"	52	*
CVR1042R0000	42		52	*
CVR1054R0000	54	2-1/8"	52	*
CVR1064R0001	64		45	*
CVR1258R0001		2-5/8"	45	*

STANDARD SPRING MINIMUM OPENING PRESSURE DIFFERENTIAL =0,3 bar



- Bypass con Schrader
- Bypass with Schrader
- Bypass mit Schrader
- Bypass avec Schrader

BY PASS WITH SCHRADER			
CODE	CONNECTIONS		PS
	ODS		
	mm	inches	bar
BPS1A038R0000		3/8"	60
BPS1A010R0000	10		60
BPS1AM12R0000	12		60
BPS1A012R0000		1/2"	60
BPS1B016R0000	16	5/8"	60
BPS1B018R0000	18		60
BPS1B034R0000		3/4"	60
BPS1C022R0000	22	7/8"	60
BPS1D028K0000	28		60
BPS1D118K0000		1-1/8"	60
BPS1E035R0000	35	1-3/8"	52
BPS1F158R0000		1-5/8"	52
BPS1F042R0000	42		52



Bypass senza Schrader

Bypass without Schrader

Bypass ohne Schrader

Bypass sans Schrader

BY PASS WITHOUT SCHRADER			
CODE	CONNECTIONS		PS
	ODS		
	mm	inches	bar
BPN1Z038R0000		3/8"	60
BPN1Z010R0000	10		60
BPN1ZM12R0000	12		60
BPN1Z012R0000		1/2"	60
BPN1B016R0000	16	5/8"	60
BPN1B018R0000	18		60
BPN1B034R0000		3/4"	60
BPN1C022R0000	22	7/8"	60
BPN1D028K0000	28		60
BPN1D118K0000		1-1/8"	60
BPN1E035R0000	35	1-3/8"	52
BPN1F158R0000		1-5/8"	52
BPN1F042R0000	42		52



Filtri disidratatori a cartuccia solida 80%
Setaccio molecolare - 20% Allumina

Dehydrator filters with solid core 80% Molecular
sieve - 20% Alumina

Filtertrockner mit Feststoffeinsatz 80%
Molekularsieb - 20% Tonerde

Filtres déshydratants à cartouche solide 80%
Filtre moléculaire - 20% Alumine

FILTER DRIERS ODS WITH SOLID CORE

CODE	CONNECTIONS		NOMINAL VOLUME cm ³	CAPACITY KW Δ p=0,07 bar	PS bar
	ODS				
	mm	inches			
FD00105201006	6		83	13,5	70
FD00105201014		1/4"	83	13,5	70
FD00105301038		3/8"	83	25	70
FD00105301010	10		83	25	70
FD00108201006	6		125	16	70
FD00108201014		1/4"	125	16	70
FD00108301038		3/8"	210	36	60
FD00108301010	10		210	36	60
FD00108401M12	12		230	50	60
FD00108401012		1/2"	230	50	60
FD00116201006	6		265	21	60
FD00116201014		1/4"	265	21	60
FD00116301038		3/8"	265	42,5	60
FD00116301010	10		265	42,5	60
FD00116401M12	12		265	58	60
FD00116401012		1/2"	265	58	60
FD00116501016	16	5/8"	430	69	60



Filtri disidratatori a cartuccia solida 80%
Setaccio molecolare - 20% Allumina

Dehydrator filters with solid core 80% Molecular
sieve - 20% Alumina

Filtertrockner mit Feststoffeinsatz 80%
Molekularsieb - 20% Tonerde

Filtres déshydratants à cartouche solide 80%
Filtre moléculaire - 20% Alumine

FILTER DRIERS SAE WITH SOLID CORE

CODE	CONNECTIONS	NOMINAL VOLUME	CAPACITY KW	PS
	SAE inches	cm ³	$\Delta p=0,07$ bar	bar
FD00105202014	1/4"	83	11,5	70
FD00105302038	3/8"	83	25,5	70
FD00108202014	1/4"	125	16	70
FD00108302038	3/8"	210	36	60
FD00108402012	1/2"	230	50	60
FD00116202014	1/4"	265	18,5	60
FD00116302038	3/8"	265	42,5	60
FD00116402012	1/2"	265	58	60
FD00116502016	5/8"	430	69	60



Valvola di scambio a 3 vie in ottone

3 way brass Changeover valve

3-Wege-Messing-Wechselventil

Vanne d'échange en laiton à 3 voies

3 WAY CHANGEOVER VALVE					
CODE	CONNECTIONS			PS	KV
	NPT F	NPT M	NPT F		
	OUT	IN	OUT	bar	m³/h
TEMPERATURE °C MIN -40 / MAX +150					
DB1012N0000	1/2"	1/2"	1/2"	130	4,8



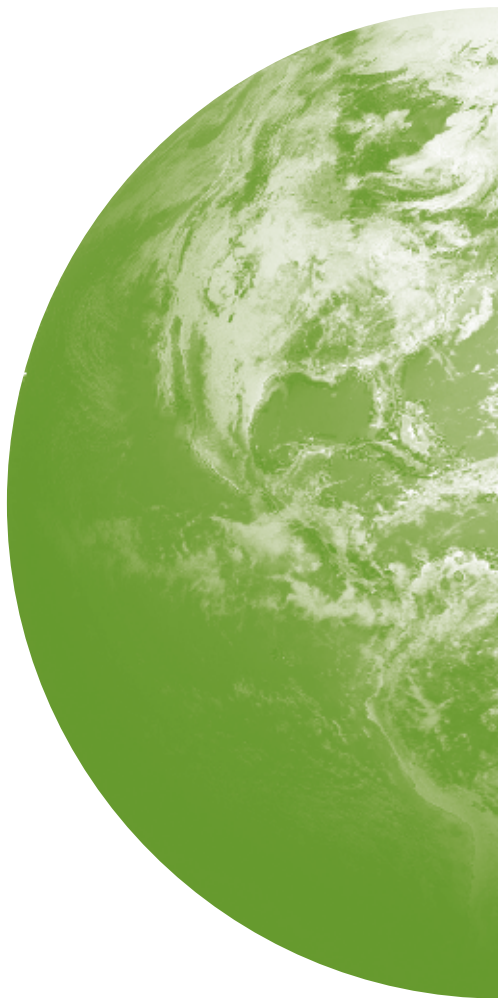
Valvola di scambio a 3 vie in acciaio inox

3 way stainless steel Changeover valve

3-Wege-Austauschventil aus Edelstahl

Vanne d'échange en acier inoxydable à 3 voies

CODE	CONNECTIONS			PS	KV
	NPT F	NPT M	NPT F		
	OUT	IN	OUT	bar	m³/h
TEMPERATURE °C MIN -40 / MAX +150					
DX1012N0000	1/2"	1/2"	1/2"	130	5,7
DX1034N0000	3/4"	3/4"	3/4"	130	8,7
DX1100N0000	1"	1"	1"	130	13,9
DX1114N0000	1-1/4"	1-1/4"	1-1/4"	130	23,2



R744
CO2
TRANSCRITICAL
BRASS TYPE
WITH
STAINLESS STEEL
CONNECTIONS



Valvola a sfera 2 vie senza Schrader
 con connessioni INOX

2 way Ball valves without Schrader
 with Stainless Steel connections

2 Wege Kugelventile ohne Schrader
 mit Sthäl lötanschlüsse

Vanne à bille 2 voies sans Schrader
 avec Connexion de acier

2 WAY BALL VALVE WITHOUT SCHRADER

CODE	CONNECTIONS	SPHERE PASSAGE	PS	KV
	OD			
	mm	Ø mm	bar	m ³ /h

TEMPERATURE °C MIN -40 / MAX +150

BV21Z010X0000	10	8	140	3,2
BV21ZM12X0000	12	8	140	3,3
BV21A010X0000	10	10	140	2,7
BV21AM12X0000	12	10	140	4,9
BV21B016X0000	16	15	140	11,1
BV21B018X0000	18	15	140	13,8
BV21C022X0000	22	19	140	19,1
BV21D028X0000	28	23,5	140	39,2
BV21E035X0000	35	28	140	63,4
BV21F042X0000	42	38	120	107,5



2 WAY BALL VALVE WITH SCHRADER

CODE	CONNECTIONS	SPHERE PASSAGE	PS	KV
	OD			
	mm	Ø mm	bar	m ³ /h

TEMPERATURE °C MIN -40 / MAX +150

SV21A010X0000	10	10	140	2,7
SV21AM12X0000	12	10	140	4,9
SV21B016X0000	16	15	140	11,1
SV21B018X0000	18	15	140	13,8
SV21C022X0000	22	19	140	19,1
SV21D028X0000	28	23,5	140	39,2



**Valvola a sfera 2 vie con Schrader
 con connessioni INOX**

**2 way Ball valves with Schrader
 with Stainless Steel connections**

**2 Wege Kugelventile mit Schrader
 mit Sthäl lötanschlüsse**

**Vanne à bille 2 voies avec Schrader
 avec Connexion de acier**



**Valvola a sfera 3 vie senza Schrader
 con connessioni INOX**

**3 way Ball valves without Schrader
 with Stainless Steel connections**

**3 Wege Kugelventile ohne Schrader
 mit Sthäl lötanschlüsse**

**Vanne à bille 3 voies sans Schrader
 avec Connexion de acier**

3 WAY BALL VALVE WITHOUT SCHRADER

CODE	CONNECTIONS	SPHERE PASSAGE	PS	KV
	OD			
	mm	Ø mm	bar	m ³ /h

TEMPERATURE °C MIN -40 / MAX +150

BV31A010X0000	10	9	140	1,6
BV31AM12X0000	12	9	140	2,2
BV31B016X0000	16	13	140	4,2
BV31B018X0000	18	13	140	4,2
BV31C022X0000	22	17	140	7,2
BV31D028X0000	28	22	140	12,1
BV31E035X0000	35	26	140	16,4
BV31F042X0000	42	36	120	31,6



**Valvola a sfera 3 vie con Schrader
 con connessioni INOX**

**3 way Ball valves with Schrader
 with Stainless Steel connections**

**3 Wege Kugelventile mit Schrader
 mit Sthäl lötanschlüsse**

**Vanne à bille 3 voies avec Schrader
 avec Connexion de acier**

3 WAY BALL VALVE WITH SCHRADER

CODE	CONNECTIONS	SPHERE PASSAGE	PS	KV
	OD			
	mm	Ø mm	bar	m ³ /h

TEMPERATURE °C MIN -40 / MAX +150

SV31A010X0000	10	9	140	1,6
SV31AM12X0000	12	9	140	2,2
SV31B016X0000	16	13	140	4,2
SV31B018X0000	18	13	140	4,2
SV31C022X0000	22	17	140	7,2
SV31D028X0000	28	22	140	12,1



Valvola a sfera 3 vie senza Schrader
 con connessioni INOX

3 way Ball valves without Schrader
 with Stainless Steel connections

3 Wege Kugelventile ohne Schrader
 mit Stahl lötanschlüsse

Vanne à bille 3 voies sans Schrader
 avec Connexion de acier

2 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR

CODE	CONNECTIONS	SPHERE PASSAGE	PS	KV
	OD			
	mm	Ø mm	bar	m ³ /h

TEMPERATURE °C MIN -40 / MAX +150

BV21A010X0001	10	10	140	2,7
BV21AM12X0001	12	10	140	4,9
BV21B016X0001	16	15	140	11,1
BV21B018X0001	18	15	140	13,8
BV21C022X0001	22	19	140	19,1
BV21D028X0001	28	23,5	140	39,2
BV21E035X0001	35	28	140	63,4
BV21F042X0001	42	38	120	107,5



Valvola a sfera 2 vie senza Schrader
 con connessioni INOX predisposta
 per l'attuatore V-Port 30°

2 way Ball valves without Schrader
 with Stainless Steel connections fit
 for actuator V-Port 30°

2 Wege Kugelventile ohne Schrader
 mit Sthal lötlanschlüsse vorbereitet
 für den Antrieb V-Port 30°

Vanne à bille 2 voies sans Schrader
 avec Connexion de acier préparé
 pour l'actionneur V-Port 30°

2 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR V PORT 30°

CODE	CONNECTIONS	SPHERE PASSAGE	PS	KV
	OD			
	mm	Ø mm	bar	m ³ /h

TEMPERATURE °C MIN -40 / MAX +150

BV21A010X0003	10	10	140	*
BV21AM12X0003	12	10	140	*
BV21B016X0003	16	14	140	*
BV21B018X0003	18	14	140	*
BV21C022X0003	22	17	140	*
BV21D028X0003	28	22	140	*
BV21E035X0003	35	26	140	*
BV21F042X0003	42	38	120	*



Valvola a sfera 2 vie
 senza Schrader con connessioni INOX
 predisposta per l'attuatore V-Port 60°

2 way Ball valves without Schrader
 with Stainless Steel connections fit
 for actuator V-Port 60°

2 Wege Kugelventile ohne Schrader
 mit Stahl lötlanschlüsse vorbereitet
 für den Antrieb V-Port 60°

Vanne à bille 2 voies sans Schrader
 avec Connexion de acier préparé
 pour l'actionneur V-Port 60°

2 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR V PORT 60°

CODE	CONNECTIONS	SPHERE PASSAGE	PS	KV
	OD			
	mm	Ø mm	bar	m ³ /h

TEMPERATURE °C MIN -40 / MAX +150

BV21A010X0004	10	10	140	*
BV21AM12X0004	12	10	140	*
BV21B016X0004	16	14	140	*
BV21B018X0004	18	14	140	*
BV21C022X0004	22	17	140	*
BV21D028X0004	28	22	140	*
BV21E035X0004	35	26	140	*
BV21F042X0004	42	38	120	*



Valvola a sfera 2 vie con Schrader
 con connessioni INOX predisposta
 per l'attuatore

2 way Ball valves with Schrader
 with Stainless Steel connections
 fit for actuator

2 Wege Kugelventile mit Schrader
 mit Sthal lötanschlüsse vorbereitet
 für den Antrieb

Vanne à bille 2 voies avec Schrader
 avec Connexion de acier
 préparé pour l'actionneur

2 WAY BALL VALVE WITH SCHRADER FIT FOR ACTUATOR

CODE	CONNECTIONS	SPHERE PASSAGE	PS	KV
	OD			
	mm	Ø mm	bar	m ³ /h

TEMPERATURE °C MIN -40 / MAX +150

SV21A010X0001	10	10	140	2,7
SV21AM12X0001	12	10	140	4,9
SV21B016X0001	16	15	140	11,1
SV21B018X0001	18	15	140	13,8
SV21C022X0001	22	19	140	19,1
SV21D028X0001	28	23,5	140	39,2



Valvola a sfera 2 vie con Schrader
 con connessioni INOX predisposta
 per l'attuatore V-Port 30°

2 way Ball valves with Schrader
 with Stainless Steel connections fit
 for actuator V-Port 30°

2 Wege Kugelventile mit Schrader
 mit Sthal lötlanschlüsse vorbereitet
 für den Antrieb V-Port 30°

Vanne à bille 2 voies avec Schrader
 avec Connexion de acier préparé
 pour l'actionneur V-Port 30°

2 WAY BALL VALVE WITH SCHRADER FIT FOR ACTUATOR V PORT 30°

CODE	CONNECTIONS	SPHERE PASSAGE	PS	KV
	OD			
	mm	Ø mm	bar	m ³ /h

TEMPERATURE °C MIN -40 / MAX +150

SV21A010X0003	10	10	140	*
SV21AM12X0003	12	10	140	*
SV21B016X0003	16	14	140	*
SV21B018X0003	18	14	140	*
SV21C022X0003	22	17	140	*
SV21D028X0003	28	22	140	*



2 WAY BALL VALVE WITH SCHRADER FIT FOR ACTUATOR V PORT 60°

CODE	CONNECTIONS	SPHERE PASSAGE	PS	KV
	OD			
	mm	Ø mm	bar	m ³ /h

TEMPERATURE °C MIN -40 / MAX +150

SV21A010X0004	10	10	140	*
SV21AM12X0004	12	10	140	*
SV21B016X0004	16	14	140	*
SV21B018X0004	18	14	140	*
SV21C022X0004	22	17	140	*
SV21D028X0004	28	22	140	*

**Valvola a sfera 2 vie con Schrader
 con connessioni INOX predisposta per
 l'attuatore V-Port 60°**

**2 way Ball valves with Schrader
 with Stainless Steel connections
 fit for actuator V-Port 60°**

**2 Wege Kugelventile mit Schrader
 mit Sthäl lötanschlüsse vorbereitet
 für den Antrieb V-Port 60°**

**Vanne à bille 2 voies avec Schrader
 avec Connexion de acier préparé
 pour l'actionneur V-Port 60°**



Valvola a sfera 3 vie
 senza Schrader con connessioni INOX
 predisposta per l'attuatore

3 way Ball valves
 without Schrader with Stainless Steel
 connections fit for actuator

3 Wege Kugelventile
 ohne Schrader mit Sthäl lötanschlüsse
 vorbereitet für den Antrieb

Vanne à bille 3 voies
 sans Schrader avec Connexion de acier
 préparé pour l'actionneur

3 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR

CODE	CONNECTIONS	SPHERE PASSAGE	PS	KV
	OD			
	mm	Ø mm	bar	m ³ /h

TEMPERATURE °C MIN -40 / MAX +150

BV31A010X0001	10	9	140	1,6
BV31AM12X0001	12	9	140	2,2
BV31B016X0001	16	13	140	4,2
BV31B018X0001	18	15	140	4,2
BV31C022X0001	22	17	140	7,2
BV31D028X0001	28	22	140	12,1
BV31E035X0001	35	26	140	16,4
BV31F042X0001	42	36	120	31,6



Valvola a sfera 3 vie senza Schrader
 con connessioni INOX predisposta
 per l'attuatore V-Port 30°

3 way Ball valves without Schrader
 with Stainless Steel connections
 fit for actuator V-Port 30°

3 Wege Kugelventile ohne Schrader
 mit Sthal lötlanschlüsse vorbereitet
 für den Antrieb V-Port 30°

Vanne à bille 3 voies sans Schrader
 avec Connexion de acier préparé
 pour l'actionneur V-Port 30°

3 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR V PORT 30°

CODE	CONNECTIONS	SPHERE PASSAGE	PS	KV
	OD			
	mm	Ø mm	bar	m ³ /h

TEMPERATURE °C MIN -40 / MAX +150

BV31A010X0003	10	9	140	*
BV31AM12X0003	12	9	140	*
BV31B016X0003	16	14	140	*
BV31B018X0003	18	14	140	*
BV31C022X0003	22	17	140	*
BV31D028X0003	28	22	140	*
BV31E035X0003	35	26	140	*
BV31F042X0003	42	36	120	*



Valvola a sfera 3 vie senza Schrader
 con connessioni INOX predisposta
 per l'attuatore V-Port 60°

3 way Ball valves without Schrader
 with Stainless Steel connections fit
 for actuator V-Port 60°

3 Wege Kugelventile ohne Schrader
 mit Sthal lötlanschlüsse vorbereitet
 für den Antrieb V-Port 60°

Vanne à bille 3 voies sans Schrader
 avec Connexion de acier préparé
 pour l'actionneur V-Port 60°

3 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR V PORT 60°

CODE	CONNECTIONS	SPHERE PASSAGE	PS	KV
	OD			
	mm	Ø mm	bar	m ³ /h

TEMPERATURE °C MIN -40 / MAX +150

BV31A010X0004	10	9	140	*
BV31AM12X0004	12	9	140	*
BV31B016X0004	16	14	140	*
BV31B018X0004	18	14	140	*
BV31C022X0004	22	17	140	*
BV31D028X0004	28	22	140	*
BV31E035X0004	35	26	140	*
BV31F042X0004	42	36	120	*



**Valvola a sfera 3 vie
 con Schrader con connessioni INOX
 predisposta per l'attuatore**

**3 way Ball valves with Schrader
 with Stainless Steel connections
 fit for actuator**

**3 Wege Kugelventile mit Schrader
 mit Sthäl lötanschlüsse
 vorbereitet für den Antrieb**

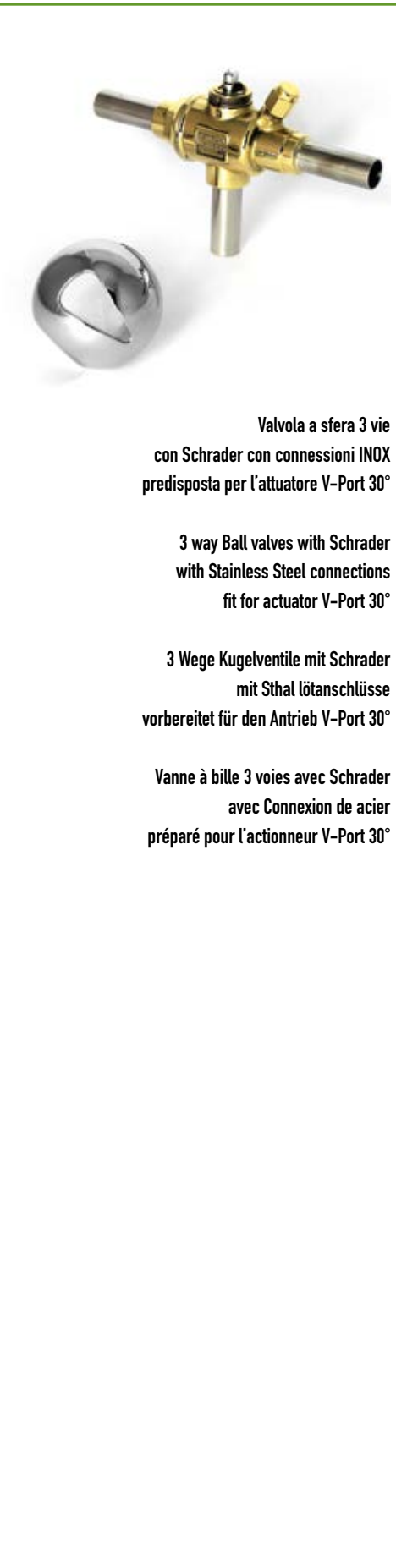
**Vanne à bille 3 voies
 avec Schrader avec Connexion de acier
 préparé pour l'actionneur**

3 WAY BALL VALVE WITH SCHRADER FIT FOR ACTUATOR

CODE	CONNECTIONS	SPHERE PASSAGE	PS	KV
	OD			
	mm	Ø mm	bar	m ³ /h

TEMPERATURE °C MIN -40 / MAX +150

SV31A010X0001	10	9	140	1,6
SV31AM12X0001	12	9	140	2,2
SV31B016X0001	16	13	140	4,2
SV31B018X0001	18	13	140	4,2
SV31C022X0001	22	17	140	7,2
SV31D028X0001	28	22	140	12,1



**Valvola a sfera 3 vie
 con Schradler con connessioni INOX
 predisposta per l'attuatore V-Port 30°**

**3 way Ball valves with Schradler
 with Stainless Steel connections
 fit for actuator V-Port 30°**

**3 Wege Kugelventile mit Schradler
 mit Sthäl lötanschlüsse
 vorbereitet für den Antrieb V-Port 30°**

**Vanne à bille 3 voies avec Schradler
 avec Connexion de acier
 préparé pour l'actionneur V-Port 30°**

3 WAY BALL VALVE WITH SCHRADER FIT FOR ACTUATOR V PORT 30°

CODE	CONNECTIONS	SPHERE PASSAGE	PS	KV
	OD			
	mm	Ø mm	bar	m ³ /h

TEMPERATURE °C MIN -40 / MAX +150

SV31A010X0003	10	9	140	*
SV31AM12X0003	12	9	140	*
SV31B016X0003	16	14	140	*
SV31B018X0003	18	14	140	*
SV31C022X0003	22	17	140	*
SV31D028X0003	28	22	140	*



Valvola a sfera 3 vie
 con Schrader con connessioni INOX
 predisposta per l'attuatore V-Port 60°

3 way Ball valves with Schrader
 with Stainless Steel connections
 fit for actuator V-Port 60°

3 Wege Kugelventile
 mit Schrader mit Sthäl lötanschlüsse
 vorbereitet für den Antrieb V-Port 60°

Vanne à bille 3 voies
 avec Schrader avec Connexion de acier
 préparé pour l'actionneur V-Port 60°

3 WAY BALL VALVE WITH SCHRADER FIT FOR ACTUATOR V PORT 60°

CODE	CONNECTIONS	SPHERE PASSAGE	PS	KV
	OD			
	mm	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

SV31A010X0004	10	9	140	*
SV31AM12X0004	12	9	140	*
SV31B016X0004	16	14	140	*
SV31B018X0004	18	14	140	*
SV31C022X0004	22	17	140	*
SV31D028X0004	28	22	140	*



Valvole di ritegno con molla Standard

Standard Check valves with Standard spring

Rückschlagventile mit Standardfeder

Vannes d'étanchéité avec ressort Standard

CHECK VALVE WITH STANDARD SPRING

CODE	CONNECTIONS		PS	KV
	ODS			
	mm	inches	bar	m ³ /h

WITH STAINLESS STEEL CONNECTIONS

CVN1008X0000	8	5/16"	120	*
CVN1010X0000	10		120	*
CVN1M12X0000	12		120	*
CVN1016X0000	16	5/8"	120	*
CVN1018X0000	18		120	*
CVN1022X0000	22	7/8"	120	*
CVN1028X0000	28		120	*
CVN1035X0000	35	1-3/8"	120	*
CVN1042X0000	42		120	*

STANDARD SPRING MINIMUM OPENING PRESSURE DIFFERENTIAL =0,1 bar



Valvole di ritegno con molla Rinforzata

Check valves with Reinforced spring

Rückschlagventile mit Verstärkter feder

Vannes d'étanchéité avec ressort Renforcé

CHECK VALVE WITH REINFORCED SPRING

CODE	CONNECTIONS		PS	KV
	ODS			
	mm	inches	bar	m ³ /h

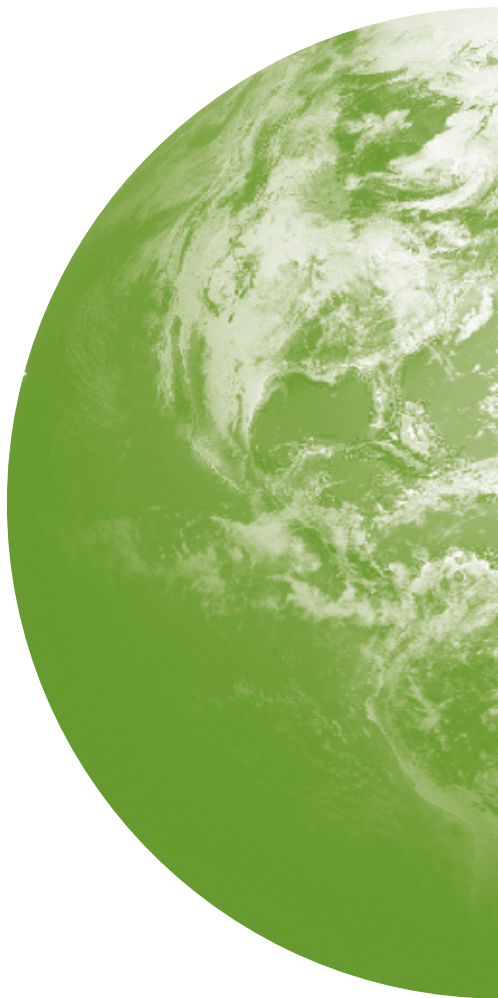
WITH STAINLESS STEEL CONNECTIONS

CVR1008X0000	8	5/16"	120	*
CVR1010X0000	10		120	*
CVR1M12X0000	12		120	*
CVR1015X0000	15		120	*
CVR1016X0000	16	5/8"	120	*
CVR1018X0000	18		120	*
CVR1022X0000	22	7/8"	120	*
CVR1028X0000	28		120	*
CVR1035X0000	35	1-3/8"	120	*
CVR1042X0000	42		120	*

STANDARD SPRING MINIMUM OPENING PRESSURE DIFFERENTIAL =0,3 bar

 **REFRIGERA**
Linea del Freddo

ECO



R744
CO2
TRANSCRITICAL
BRASS TYPE
WITH
CUFE2P
CONNECTIONS



Valvola a sfera 2 vie senza Schrader
 2 way Ball valves without Schrader
 2 Wege Kugelventile ohne Schrader
 Vanne à bille 2 voies sans Schrader

2 WAY BALL VALVE WITHOUT SCHRADER

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	ODS				
	mm	inches	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

BV21Z006R0005	6		8	140	1,3
BV21Z014R0005		1/4"	8	140	1,3
BV21A006R0005	6		10	140	1,1
BV21A014R0005		1/4"	10	140	1,1



Valvole a sfera 2 vie senza Schrader
 predisposte per l'attuatore
 2 way ball valves without Schrader
 2 wege kugelventile geeignet für antrieb
 ohne Schrader
 Vanne à bille 2 voies sans Schrader
 prédisposées pour l'actionneur

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	ODS				
	mm	inches	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

BV21A006R0006	6		10	140	1,1
BV21A014R0006		1/4"	10	140	1,1



3 WAY BALL VALVE WITHOUT SCHRADER

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	ODS				
	mm	inches	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

BV31A006R0005	6		9	140	0,9
BV31A014R0005		1/4"	9	140	0,9



Valvola a sfera 3 vie senza Schrader

3 way Ball valves without Schrader

3 Wege Kugelventile ohne Schrader

Vanne à bille 3 voies sans Schrader

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	ODS				
	mm	inches	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

BV31A006R0006	6		9	140	0,9
BV31A014R0006		1/4"	9	140	0,9



Valvole a sfera 3 vie senza Schrader
 predisposte per l'attuatore

3 way ball valves fit for actuator
 without Schrader

3 wege kugelventile geeignet für antrieb
 ohne Schrader

Vanne à bille 3 voies sans Schrader
 prédisposées pour l'actionneur



2 WAY BALL VALVE WITH SCHRADER

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	ODS				
	mm	inches	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

SV21A006R0005	6		10	140	1,1
SV21A014R0005		1/4"	10	140	1,1



- Valvola a sfera 2 vie con Schrader
- 2 way Ball valves with Schrader
- 2 Wege Kugelventile mit Schrader
- Vanne à bille 2 voies avec Schrader

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	ODS				
	mm	inches	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

SV21A006R0006	6		10	140	1,1
SV21A014R0006		1/4"	10	140	1,1



- Valvola a sfera 2 vie con Schrader
predisposte per l'attuatore
- 2 way Ball valves fit for actuator
with Schrader
- 2 Wege Kugelventile geeignet für antrieb
mit Schrader
- Vanne à bille 2 voies avec Schrader
prédisposées pour l'actionne



3 WAY BALL VALVE WITH SCHRADER

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	ODS				
	mm	inches	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

SV31A006R0005	6		9	140	0,9
SV31A014R0005		1/4"	9	140	0,9



Valvola a sfera 3 vie con Schrader

3 way Ball valves with Schrader

3 Wege Kugelventile mit Schrader Vanne à bille

3 voies avec Schrader

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	ODS				
	mm	inches	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

SV31A006R0006	6		9	140	0,9
SV31A014R0006		1/4"	9	140	0,9



Valvole a sfera 3 vie
con Schrader predisposte per l'attuatore

3 way ball valves fit for actuator
with Schrader

3 wege kugelventile geeignet für antrieb
mit Schrader

Vanne à bille 3 voies avec Schrader
prédisposées pour l'actionneur



Valvola a sfera 2 vie senza Schrader
 con connessioni CuFe2P

2 way Ball valves without Schrader with CuFe2P
 connections

2 Wege Kugelventile ohne Schrader mit CuFe2P
 lötanschlüsse

Vanne à bille 2 voies sans Schrader avec
 Connexion de CuFe2P

2 WAY BALL VALVE WITHOUT SCHRADER

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	ODS				
	mm	inches	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

BV21Z038K0000		3/8"	8	140	4,5
BV21Z010K0000	10		8	140	4,5
BV21ZM12K0000	12		8	140	3,5
BV21Z012K0000		1/2"	8	140	3,5
BV21A038K0000		3/8"	10	140	3,5
BV21A010K0000	10		10	140	3,5
BV21AM12K0000	12		10	140	6,7
BV21A012K0000		1/2"	10	140	5,5
BV21B015K0000	15		15	140	14,1
BV21B016K0000	16	5/8"	15	140	14,2
BV21B018K0000	18		15	140	14,3
BV21B034K0000		3/4"	15	140	14,3
BV21C022K0000	22	7/8"	19	140	29,2
BV21D028K0005	28		23,5	140	51
BV21D118K0005		1-1/8"	23,5	140	50,3
BV21E035K0000	35	1-3/8"	28	140	72,9
BV21F158K0000		1-5/8"	38	120	137,3
BV21F042K0000	42		38	120	136,6



Valvola a sfera 2 vie
 con Schrader
 con connessioni CuFe2P

2 way Ball valves
 with Schrader
 with CuFe2P connections

2 Wege Kugelventile
 mit Schrader
 mit CuFe2P lötlanschlüsse

Vanne à bille 2 voies
 avec Schrader
 avec Connexion de CuFe2P

2 WAY BALL VALVE WITH SCHRADER

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	ODS				
	mm	inches	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

SV21A038K0000		3/8"	10	140	3,5
SV21A010K0000	10		10	140	3,5
SV21AM12K0000	12		10	140	6,7
SV21A012K0000		1/2"	10	140	5,5
SV21B015K0000	15		15	140	14,1
SV21B016K0000	16	5/8"	15	140	14,2
SV21B018K0000	18		15	140	14,3
SV21B034K0000		3/4"	15	140	14,3
SV21C022K0000	22	7/8"	19	140	29,2
SV21D028K0005	28		23,5	140	51
SV21D118K0005		1-1/8"	23,5	140	50,3



Valvola a sfera 3 vie
 senza Schrader
 con connessioni CuFe2P

3 way Ball valves
 without Schrader
 with CuFe2P connections

3 Wege Kugelventile
 ohne Schrader
 mit CuFe2P lötlanschlüsse

Vanne à bille 3 voies
 sans Schrader
 avec Connexion de CuFe2P

3 WAY BALL VALVE WITHOUT SCHRADER

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	ODS				
	mm	inches	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

BV31A038K0000		3/8"	9	140	1,8
BV31A010K0000	10		9	140	1,9
BV31AM12K0000	12		9	140	2,2
BV31A012K0000		1/2"	9	140	2,2
BV31B015K0000	15		13	140	4,4
BV31B016K0000	16	5/8"	13	140	4,3
BV31B018K0000	18		13	140	4,4
BV31B034K0000		3/4"	13	140	4,3
BV31C022K0000	22	7/8"	17	140	7,2
BV31D028K0005	28		22	140	12,2
BV31D118K0005		1-1/8"	22	140	11,9
BV31E035K0000	35	1-3/8"	26	140	16,3
BV31F158K0000		1-5/8"	36	120	34,5
BV31F042K0000	42		36	120	34,4



Valvola a sfera 3 vie
 con Schrader
 con connessioni CuFe2P

3 way Ball valves
 with Schrader
 with CuFe2P connections

3 Wege Kugelventile
 mit Schrader
 mit CuFe2P lötanschlüsse

Vanne à bille 3 voies
 avec Schrader
 avec Connexion de CuFe2P

3 WAY BALL VALVE WITH SCHRADER					
CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	ODS				
	mm	inches	Ø mm	bar	m³/h
TEMPERATURE °C MIN -40 / MAX +150					
SV31A038K0000		3/8"	9	140	1,8
SV31A010K0000	10		9	140	1,9
SV31AM12K0000	12		9	140	2,2
SV31A012K0000		1/2"	9	140	2,2
SV31B015K0000	15		13	140	4,4
SV31B016K0000	16	5/8"	13	140	4,3
SV31B018K0000	18		13	140	4,4
SV31B034K0000		3/4"	13	140	4,3
SV31C022K0000	22	7/8"	17	140	7,2
SV31D028K0005	28		22	140	12,2
SV31D118K0005		1-1/8"	22	140	11,9



Valvola a sfera 2 vie
 senza Schrader con connessioni CuFe2P
 predisposta per l'attuatore

2 way Ball valves
 without Schrader with CuFe2P
 connections fit for actuator

2 Wege Kugelventile
 ohne Schrader mit CuFe2P lötanschlüsse
 vorbereitet für den Antrieb

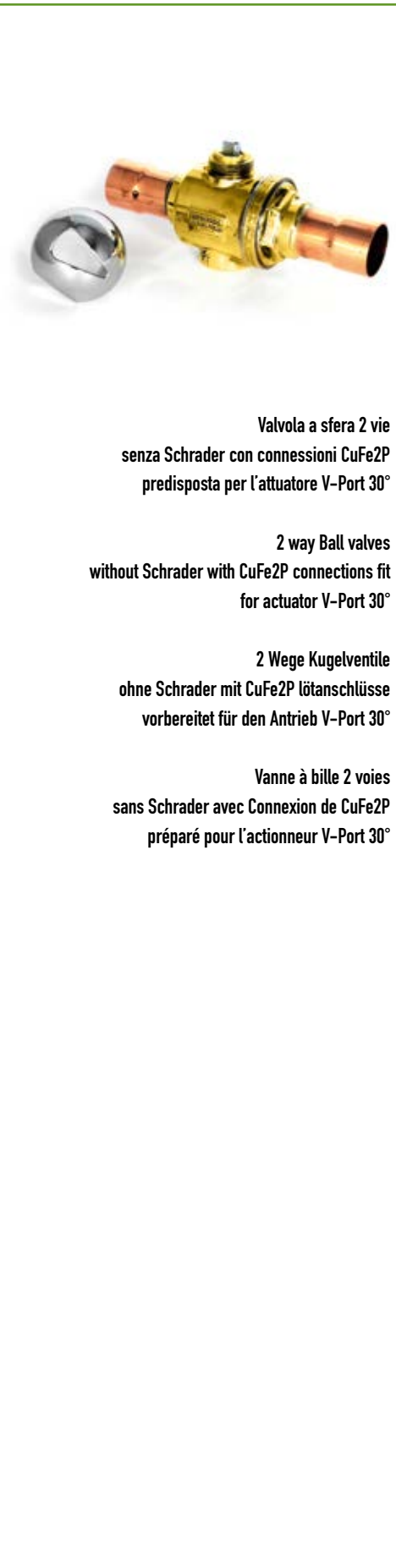
Vanne à bille 2 voies
 sans Schrader avec Connexion de CuFe2P
 préparé pour l'actionneur

2 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	ODS				
	mm	inches	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

BV21A038K0001		3/8"	10	140	3,5
BV21A010K0001	10		10	140	3,5
BV21AM12K0001	12		10	140	6,7
BV21A012K0001		1/2"	10	140	5,5
BV21B015K0001	15		15	140	14,1
BV21B016K0001	16	5/8"	15	140	14,2
BV21B018K0001	18		15	140	14,3
BV21B034K0001		3/4"	15	140	14,3
BV21C022K0001	22	7/8"	19	140	29,2
BV21D028K0006	28		23,5	140	51
BV21D118K0006		1-1/8"	23,5	140	50,3
BV21E035K0001	35	1-3/8"	28	140	72,9
BV21F158K0001		1-5/8"	38	120	137,3
BV21F042K0001	42		38	120	136,6



Valvola a sfera 2 vie
 senza Schrader con connessioni CuFe2P
 predisposta per l'attuatore V-Port 30°

2 way Ball valves
 without Schrader with CuFe2P connections fit
 for actuator V-Port 30°

2 Wege Kugelventile
 ohne Schrader mit CuFe2P lötlanschlüsse
 vorbereitet für den Antrieb V-Port 30°

Vanne à bille 2 voies
 sans Schrader avec Connexion de CuFe2P
 préparé pour l'actionneur V-Port 30°

2 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR V PORT 30°

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	ODS				
	mm	inches	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

BV21A038K0003		3/8"	10	140	*
BV21A010K0003	10		10	140	*
BV21AM12K0003	12		10	140	*
BV21A012K0003		1/2"	10	140	*
BV21B015K0003	15		14	140	*
BV21B016K0003	16	5/8"	14	140	*
BV21B018K0003	18		14	140	*
BV21B034K0003		3/4"	14	140	*
BV21C022K0003	22	7/8"	17	140	*
BV21D028K0024	28		22	140	*
BV21D118K0024		1-1/8"	22	140	*
BV21E035K0003	35	1-3/8"	26	140	*
BV21F158K0003		1-5/8"	38	120	*
BV21F042K0003	42		38	120	*



Valvola a sfera 2 vie
 senza Schrader con connessioni CuFe2P
 predisposta per l'attuatore

2 way Ball valves
 without Schrader with CuFe2P
 connections fit for actuator

2 Wege Kugelventile
 ohne Schrader mit CuFe2P lötlanschlüsse
 vorbereitet für den Antrieb

Vanne à bille 2 voies
 sans Schrader avec Connexion de CuFe2P
 préparé pour l'actionneur

2 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR V PORT 60°

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	ODS				
	mm	inches	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

BV21A038K0004		3/8"	10	140	*
BV21A010K0004	10		10	140	*
BV21AM12K0004	12		10	140	*
BV21A012K0004		1/2"	10	140	*
BV21B015K0004	15		14	140	*
BV21B016K0004	16	5/8"	14	140	*
BV21B018K0004	18		14	140	*
BV21B034K0004		3/4"	14	140	*
BV21C022K0004	22	7/8"	17	140	*
BV21D028K0015	28		22	140	*
BV21D118K0015		1-1/8"	22	140	*
BV21E035K0004	35	1-3/8"	26	140	*
BV21F158K0004		1-5/8"	38	120	*
BV21F042K0004	42		38	120	*



Valvola a sfera 2 vie
 con Schrader con connessioni CuFe2P
 predisposta per l'attuatore V-Port 60°

2 way Ball valves
 with Schrader with CuFe2P connections
 fit for actuator V-Port 60°

2 Wege Kugelventile
 mit Schrader mit CuFe2P Lötanschlüsse
 vorbereitet für den Antrieb V-Port 60°

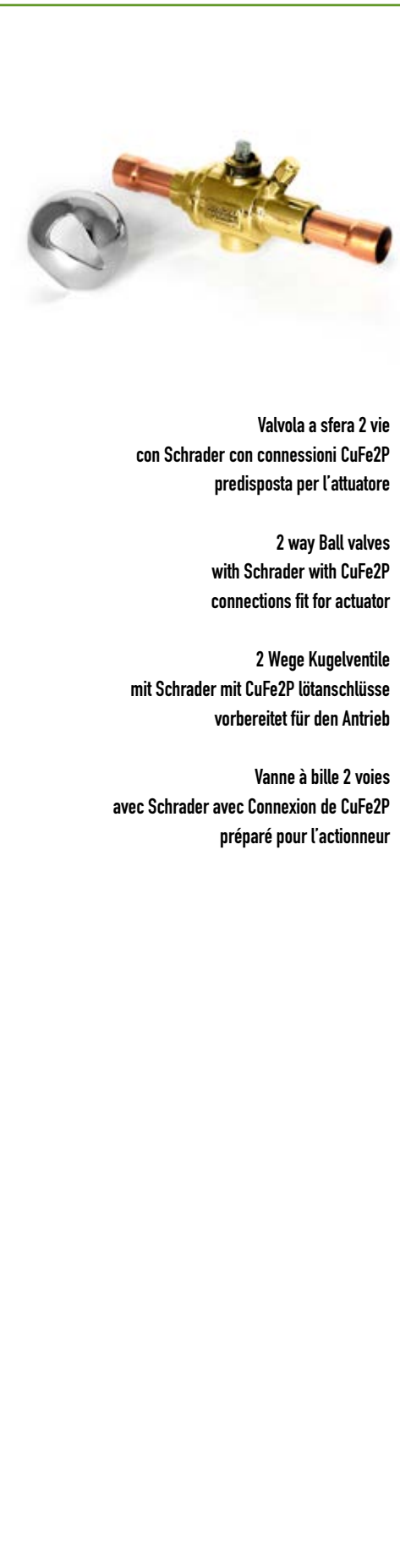
Vanne à bille 2 voies
 avec Schrader avec Connexion de CuFe2P
 préparé pour l'actionneur V-Port 60°

2 WAY BALL VALVE WITH SCHRADER FIT FOR ACTUATOR

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	ODS				
	mm	inches	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

SV21A038K0001		3/8"	10	140	3,5
SV21A010K0001	10		10	140	3,5
SV21AM12K0001	12		10	140	6,7
SV21A012K0001		1/2"	10	140	5,5
SV21B015K0001	15		15	140	14,1
SV21B016K0001	16	5/8"	15	140	14,2
SV21B018K0001	18		15	140	14,3
SV21B034K0001		3/4"	15	140	14,3
SV21C022K0001	22	7/8"	19	140	29,2
SV21D028K0006	28		23,5	140	51
SV21D118K0006		1-1/8"	23,5	140	50,3



Valvola a sfera 2 vie
 con Schrader con connessioni CuFe2P
 predisposta per l'attuatore

2 way Ball valves
 with Schrader with CuFe2P
 connections fit for actuator

2 Wege Kugelventile
 mit Schrader mit CuFe2P lötanschlüsse
 vorbereitet für den Antrieb

Vanne à bille 2 voies
 avec Schrader avec Connexion de CuFe2P
 préparé pour l'actionneur

2 WAY BALL VALVE WITH SCHRADER FIT FOR ACTUATOR V PORT 30°

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	ODS				
	mm	inches	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

SV21A038K0003		3/8"	10	140	*
SV21A010K0003	10		10	140	*
SV21AM12K0003	12		10	140	*
SV21A012K0003		1/2"	10	140	*
SV21B015K0003	15		14	140	*
SV21B016K0003	16	5/8"	14	140	*
SV21B018K0003	18		14	140	*
SV21B034K0003		3/4"	14	140	*
SV21C022K0003	22	7/8"	17	140	*
SV21D028K0024	28		22	140	*
SV21D118K0024		1-1/8"	22	140	*



Valvola a sfera 2 vie
 con Schrader con connessioni CuFe2P
 predisposta per l'attuatore V-Port 60°

2 way Ball valves
 with Schrader with CuFe2P connections
 fit for actuator V-Port 60°

2 Wege Kugelventile
 mit Schrader mit CuFe2P Lötanschlüsse
 vorbereitet für den Antrieb V-Port 60°

Vanne à bille 2 voies
 avec Schrader avec Connexion de CuFe2P
 préparé pour l'actionneur V-Port 60°

2 WAY BALL VALVE WITH SCHRADER FIT FOR ACTUATOR V PORT 60°

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	ODS				
	mm	inches	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

SV21A038K0004		3/8"	10	140	*
SV21A010K0004	10		10	140	*
SV21AM12K0004	12		10	140	*
SV21A012K0004		1/2"	10	140	*
SV21B015K0004	15		14	140	*
SV21B016K0004	16	5/8"	14	140	*
SV21B018K0004	18		14	140	*
SV21B034K0004		3/4"	14	140	*
SV21C022K0004	22	7/8"	17	140	*
SV21D028K0015	28		22	140	*
SV21D118K0015		1-1/8"	22	140	*



Valvola a sfera 3 vie
 senza Schrader con connessioni CuFe2P
 predisposta per l'attuatore

3 way Ball valves
 without Schrader with CuFe2P
 connections fit for actuator

3 Wege Kugelventile
 ohne Schrader mit CuFe2P lötlanschlüsse
 vorbereitet für den Antrieb

Vanne à bille 3 voies
 sans Schrader avec Connexion de CuFe2P
 préparé pour l'actionneur

3 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	ODS				
	mm	inches	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

BV31A038K0001		3/8"	9	140	1,8
BV31A010K0001	10		9	140	1,9
BV31AM12K0001	12		9	140	2,2
BV31A012K0001		1/2"	9	140	2,2
BV31B015K0001	15		13	140	4,4
BV31B016K0001	16	5/8"	13	140	4,3
BV31B018K0001	18		13	140	4,4
BV31B034K0001		3/4"	13	140	4,3
BV31C022K0001	22	7/8"	17	140	7,2
BV31D028K0006	28		22	140	12,2
BV31D118K0006		1-1/8"	22	140	11,9
BV31E035K0001	35	1-3/8"	26	140	16,3
BV31F158K0001		1-5/8"	36	120	34,5
BV31F042K0001	42		36	120	34,4



Valvola a sfera 3 vie
 senza Schrader con connessioni CuFe2P
 predisposta per l'attuatore V-Port 30°

3 way Ball valves
 without Schrader with CuFe2P connections fit
 for actuator V-Port 30°

3 Wege Kugelventile
 ohne Schrader mit CuFe2P lötlanschlüsse
 vorbereitet für den Antrieb V-Port 30°

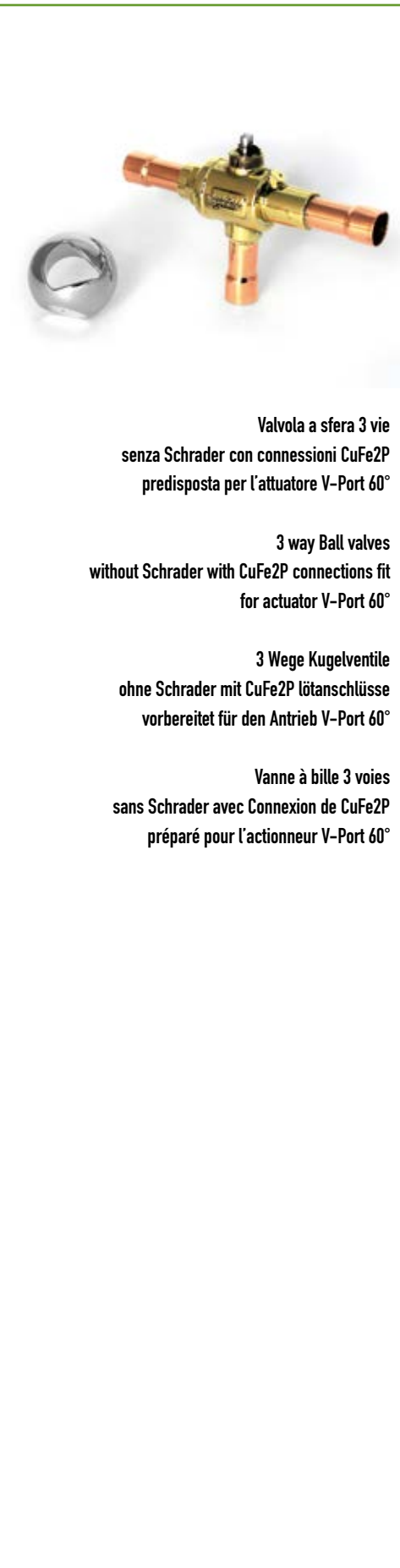
Vanne à bille 3 voies
 sans Schrader avec Connexion de CuFe2P
 préparé pour l'actionneur V-Port 30°

3 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR V PORT 30°

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	ODS				
	mm	inches	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

BV31A038K0003		3/8"	9	140	*
BV31A010K0003	10		9	140	*
BV31AM12K0003	12		9	140	*
BV31A012K0003		1/2"	9	140	*
BV31B015K0003	15		14	140	*
BV31B016K0003	16	5/8"	14	140	*
BV31B018K0003	18		14	140	*
BV31B034K0003		3/4"	14	140	*
BV31C022K0003	22	7/8"	17	140	*
BV31D028K0024	28		22	140	*
BV31D118K0024		1-1/8"	22	140	*
BV31E035K0003	35	1-3/8"	26	140	*
BV31F158K0003		1-5/8"	36	120	*
BV31F042K0003	42		36	120	*



Valvola a sfera 3 vie
 senza Schrader con connessioni CuFe2P
 predisposta per l'attuatore V-Port 60°

3 way Ball valves
 without Schrader with CuFe2P connections fit
 for actuator V-Port 60°

3 Wege Kugelventile
 ohne Schrader mit CuFe2P lötlanschlüsse
 vorbereitet für den Antrieb V-Port 60°

Vanne à bille 3 voies
 sans Schrader avec Connexion de CuFe2P
 préparé pour l'actionneur V-Port 60°

3 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR V PORT 60°

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	ODS				
	mm	inches	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

BV31A038K0004		3/8"	9	140	*
BV31A010K0004	10		9	140	*
BV31AM12K0004	12		9	140	*
BV31A012K0004		1/2"	9	140	*
BV31B015K0004	15		14	140	*
BV31B016K0004	16	5/8"	14	140	*
BV31B018K0004	18		14	140	*
BV31B034K0004		3/4"	14	140	*
BV31C022K0004	22	7/8"	17	140	*
BV31D118K0005	28		22	140	*
BV31D118K0015		1-1/8"	22	140	*
BV31E035K0004	35	1-3/8"	26	140	*
BV31F158K0004		1-5/8"	36	120	*
BV31F042K0004	42		36	120	*



Valvola a sfera 3 vie
 con Schrader con connessioni CuFe2P
 predisposta per l'attuatore

3 way Ball valves
 with Schrader with CuFe2P connections
 fit for actuator

3 Wege Kugelventile
 mit Schrader mit CuFe2P lötlanschlüsse
 vorbereitet für den Antrieb

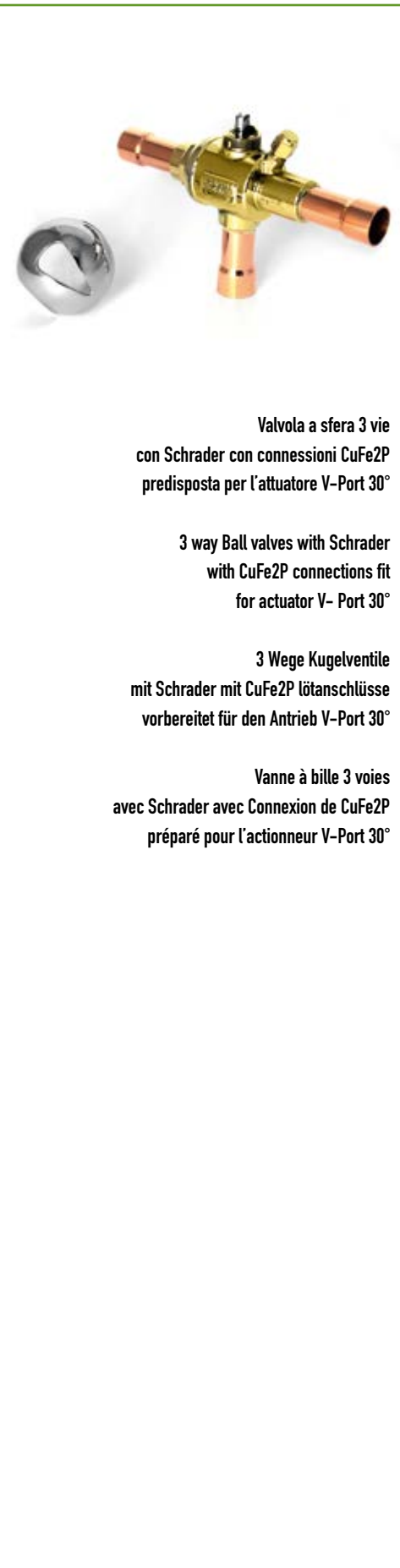
Vanne à bille 3 voies
 avec Schrader avec Connexion de CuFe2P
 préparé pour l'actionneur

3 WAY BALL VALVE WITH SCHRADER FIT FOR ACTUATOR

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	ODS				
	mm	inches	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

SV31A038K0001		3/8"	9	140	1,8
SV31A010K0001	10		9	140	1,9
SV31AM12K0001	12		9	140	2,2
SV31A012K0001		1/2"	9	140	2,2
SV31B015K0001	15		13	140	4,4
SV31B016K0001	16	5/8"	13	140	4,3
SV31B018K0001	18		13	140	4,4
SV31B034K0001		3/4"	13	140	4,3
SV31C022K0001	22	7/8"	17	140	7,2
SV31D028K0006	28		22	140	12,2
SV31D118K0006		1-1/8"	22	140	11,9



Valvola a sfera 3 vie
 con Schrader con connessioni CuFe2P
 predisposta per l'attuatore V-Port 30°

3 way Ball valves with Schrader
 with CuFe2P connections fit
 for actuator V- Port 30°

3 Wege Kugelventile
 mit Schrader mit CuFe2P lötlanschlüsse
 vorbereitet für den Antrieb V-Port 30°

Vanne à bille 3 voies
 avec Schrader avec Connexion de CuFe2P
 préparé pour l'actionneur V-Port 30°

3 WAY BALL VALVE WITH SCHRADER FIT FOR ACTUATOR V PORT 30°

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	ODS				
	mm	inches	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

SV31A038K0003		3/8"	9	140	*
SV31A010K0003	10		9	140	*
SV31AM12K0003	12		9	140	*
SV31A012K0003		1/2"	9	140	*
SV31B015K0003	15		14	140	*
SV31B016K0003	16	5/8"	14	140	*
SV31B018K0003	18		14	140	*
SV31B034K0003		3/4"	14	140	*
SV31C022K0003	22	7/8"	17	140	*
SV31D028K0024	28		22	140	*
SV31D118K0024		1-1/8"	22	140	*



Valvola a sfera 3 vie
 con Schrader con connessioni CuFe2P
 predisposta per l'attuatore V-Port 60°

3 way Ball valves with Schrader
 with CuFe2P connections fit
 for actuator V- Port 60°

3 Wege Kugelventile mit Schrader
 mit CuFe2P lötanschlüsse vorbereitet
 für den Antrieb V-Port 60°

Vanne à bille 3 voies avec Schrader
 avec Connexion de CuFe2P
 préparé pour l'actionneur V-Port 60°

3 WAY BALL VALVE WITH SCHRADER FIT FOR ACTUATOR V PORT 60°

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	ODS				
	mm	inches	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

SV31A038K0004		3/8"	9	140	*
SV31A010K0004	10		9	140	*
SV31AM12K0004	12		9	140	*
SV31A012K0004		1/2"	9	140	*
SV31B015K0004	15		14	140	*
SV31B016K0004	16	5/8"	14	140	*
SV31B018K0004	18		14	140	*
SV31B034K0004		3/4"	14	140	*
SV31C022K0004	22	7/8"	17	140	*
SV31D028K0015	28		22	140	*
SV31D118K0015		1-1/8"	22	140	*



Valvole di ritegno con molla Standard

Check valves with Standard spring

Rückschlagventile mit Standardfeder

Vannes d'étanchéité avec ressort Standard

CHECK VALVE WITH STANDARD SPRING

CODE	CONNECTIONS		PS	KV
	ODS			
	mm	inches	bar	m ³ /h

WITH COPPER CONNECTIONS

CVN1006R0003	6		120	*
CVN1014R0003		1/4"	120	*

STANDARD SPRING MINIMUM OPENING PRESSURE DIFFERENTIAL =0,1 bar

CODE	CONNECTIONS		PS	KV
	ODS			
	mm	inches	bar	m ³ /h

WITH CuFe2P CONNECTIONS

CVN1038K0000		3/8"	120	*
CVN1010K0000	10		120	*
CVN1M12K0000	12		120	*
CVN1012K0000		1/2"	120	*
CVN1016K0000	16	5/8"	120	*
CVN1018K0000	18		120	*
CVN1034K0000		3/4"	120	*
CVN1022K0000	22	7/8"	120	*
CVN1028K0003	28		120	*
CVN1118K0003		1-1/8"	120	*
CVN1035K0000	35	1-3/8"	120	*
CVN1158K0000		1-5/8"	120	*
CVN1042K0000	42		120	*

STANDARD SPRING MINIMUM OPENING PRESSURE DIFFERENTIAL =0,1 bar



Valvole di ritegno con molla Standard

Check valves with Standard spring

Rückschlagventile mit Standardfeder

Vannes d'étanchéité avec ressort Standard



Valvole di ritegno con molla Rinforzata

Check valves with Reinforced spring

Rückschlagventile mit Verstärkter feder

Vannes d'étanchéité avec ressort Renforcé

CHECK VALVE WITH REINFORCED SPRING

CODE	CONNECTIONS		PS	KV
	ODS			
	mm	inches	bar	m ³ /h

WITH COPPER CONNECTIONS

CVR1006R0003	6		120	*
CVR1014R0003		1/4"	120	*

STANDARD SPRING MINIMUM OPENING PRESSURE DIFFERENTIAL =0,3 bar

CODE	CONNECTIONS		PS	KV
	ODS			
	mm	inches	bar	m ³ /h

WITH CuFe2P CONNECTIONS

CVR1008K0000	8		120	*
CVR1038K0000		3/8"	120	*
CVR1010K0000	10		120	*
CVR1M12K0000	12		120	*
CVR1012K0000		1/2"	120	*
CVR1015K0000			120	*
CVR1016K0000	16	5/8"	120	*
CVR1018K0000	18		120	*
CVR1034K0000		3/4"	120	*
CVR1022K0000	22	7/8"	120	*
CVR1028K0003	28		120	*
CVR1118K0003		1-1/8"	120	*
CVR1035K0000	35	1-3/8"	120	*
CVR1158K0000		1-5/8"	120	*
CVR1042K0000	42		120	*

STANDARD SPRING MINIMUM OPENING PRESSURE DIFFERENTIAL =0,3 bar



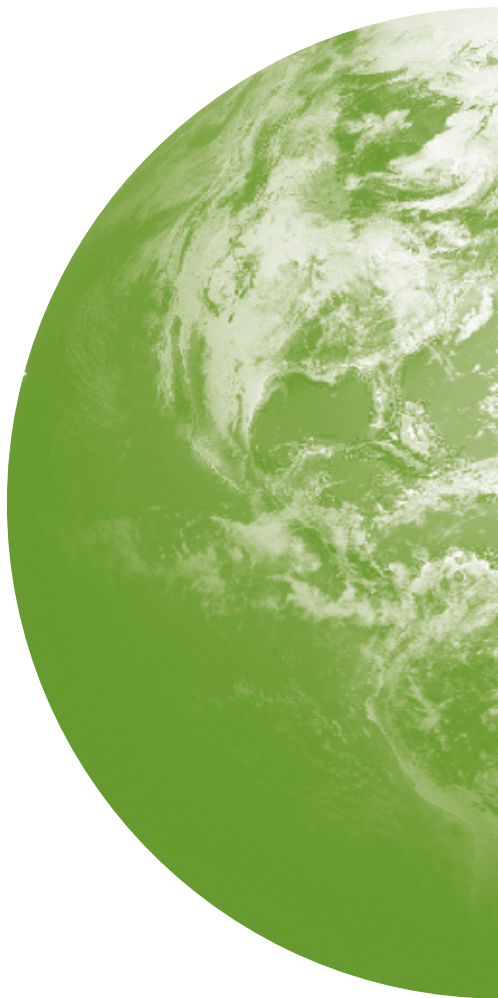
Valvole di ritegno con molla Rinforzata

Check valves with Reinforced spring

Rückschlagventile mit Verstärkter feder

Vannes d'étanchéité avec ressort Renforcé





R744
CO₂
TRANSCRITICAL
STAINLESS STEEL
TYPE AND
CONNECTIONS



Valvola a sfera 2 vie
 senza Schrader - AISI 304

2 way Ball valves
 without Schrader - AISI 304

2 Wege Kugelventile
 ohne Schrader - AISI 304

Vanne à bille 2 voies
 sans Schrader - AISI 304

2 WAY BALL VALVE WITHOUT SCHRADER

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	DN				
	De (mm)	Di (mm)	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

BV21JD08X0000	13,72	10,00	15	130	3,5
BV21JD10X0000	17,15	14,00	15	130	7,7
BV21KD15X0000	21,34	17,30	19	130	18
BV21KD20X0000	26,67	22,70	19	130	20,1
BV21WD25X0000	33,40	28,60	28	130	58,5
BV21WD32X0000	42,16	36,00	28	130	58,9
BV21YD40X0100	48,26	42,20	38	130	113,7
BV21QD50X0100	60,30	52,00	49	130	201,3



Valvola a sfera 3 vie
 senza Schrader - AISI 304

3 way Ball valves
 without Schrader - AISI 304

3 Wege Kugelventile
 ohne Schrader - AISI 304

Vanne à bille 3 voies
 sans Schrader - AISI 304

3 WAY BALL VALVE WITHOUT SCHRADER

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	DN				
	De (mm)	Di (mm)	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

BV31JD08X0000	13,72	10	13	130	*
BV31JD10X0000	17,15	14	13	130	*
BV31KD15X0000	21,34	17,30	17	130	7,3
BV31KD20X0000	26,67	22,70	17	130	7,2
BV31WD25X0000	33,40	28,60	26	130	17,6
BV31WD32X0000	42,16	36,00	26	130	16,2
BV31YD40X0100	48,26	42,20	36	130	33,2
BV31QD50X0100	60,30	52,00	46	130	55,3



Valvola a sfera 2 vie senza Schrader
 predisposta per l'attuatore - AISI 304

2 way Ball valves without Schrader
 fit for actuator - AISI 304

2 Wege Kugelventile ohne Schrader
 vorbereitet für den Antrieb - AISI 304

Vanne à bille 2 voies sans Schrader
 préparé pour l'actionneur - AISI 304

2 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	DN				
	De (mm)	Di (mm)	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

BV21JD08X0001	13,72	10,00	15	130	3,5
BV21JD10X0001	17,15	14	15	130	7,7
BV21KD15X0001	21,34	17,30	19	130	18
BV21KD20X0001	26,67	22,70	19	130	20,1
BV21WD25X0001	33,40	28,60	28	130	58,5
BV21WD32X0001	42,16	36,00	28	130	58,9
BV21YD40X0101	48,26	42,20	38	130	113,7
BV21QD50X0101	60,30	52,00	49	130	201,3



Valvola a sfera 2 vie
 senza Schrader predisposta per l'attuatore
 V-Port 30° - AISI 304

2 way Ball valves
 without Schrader fit for actuator V-Port 30° -
 AISI 304

2 Wege Kugelventile
 ohne Schrader vorbereitet für den Antrieb
 V-Port 30° - AISI 304

Vanne à bille 2 voies
 sans Schrader préparé
 pour l'actionneur V-Port 30° - AISI 304

2 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR V PORT 30°

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	DN				
	De (mm)	Di (mm)	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

BV21JD08X0003	13,72	10	14	130	*
BV21JD10X0003	17,15	14	14	130	*
BV21KD15X0003	21,34	17,30	17	130	*
BV21KD20X0003	26,67	22,70	17	130	*
BV21WD25X0003	33,40	28,60	26	130	*
BV21WD32X0003	42,16	36,00	26	130	*
BV21YD40X0103	48,26	42,20	38	130	*



**Valvola a sfera 2 vie
 senza Schrader predisposta
 per l'attuatore V-Port 60° - AISI 304**

**2 way Ball valves
 without Schrader fit for
 actuator V-Port 60° - AISI 304**

**2 Wege Kugelventile
 ohne Schrader vorbereitet
 für den Antrieb V-Port 60° - AISI 304**

**Vanne à bille 2 voies
 sans Schrader préparé
 pour l'actionneur V-Port 60° - AISI 304**

2 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR V PORT 60°

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	DN				
	De (mm)	Di (mm)	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

BV21JD08X0004	13,72	10	14	130	*
BV21JD10X0004	17,15	14	14	130	*
BV21KD15X0004	21,34	17,3	17	130	*
BV21KD20X0004	26,67	22,7	17	130	*
BV21WD25X0004	33,4	28,6	26	130	*
BV21WD32X0004	42,16	36	26	130	*
BV21YD40X0104	48,26	42,2	38	130	*



3 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	DN				
	De (mm)	Di (mm)	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

BV31JD08X0001	13,72	10	13	130	*
BV31JD10X0001	17,15	14	13	130	*
BV31KD15X0001	21,34	17,30	17	130	7,3
BV31KD20X0001	26,67	22,70	17	130	7,2
BV31WD25X0001	33,40	28,60	26	130	17,6
BV31WD32X0001	42,16	36,00	26	130	16,2
BV31YD40X0101	48,26	42,20	36	130	33,2
BV31QD50X0101	60,30	52,00	46	130	55,3

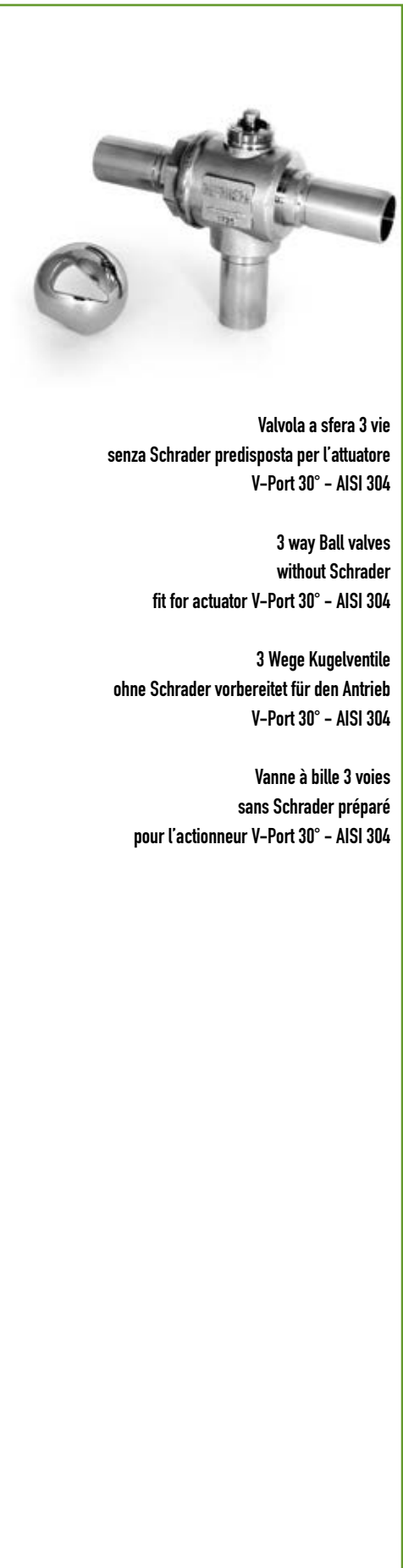


Valvola a sfera 3 vie
 senza Schrader
 predisposta per l'attuatore - AISI 304

3 way Ball valves
 without Schrader
 fit for actuator - AISI 304

3 Wege Kugelventile
 ohne Schrader
 vorbereitet für den Antrieb - AISI 304

Vanne à bille 3 voies
 sans Schrader
 préparé pour l'actionneur - AISI 304



**Valvola a sfera 3 vie
 senza Schrader predisposta per l'attuatore
 V-Port 30° - AISI 304**

**3 way Ball valves
 without Schrader
 fit for actuator V-Port 30° - AISI 304**

**3 Wege Kugelventile
 ohne Schrader vorbereitet für den Antrieb
 V-Port 30° - AISI 304**

**Vanne à bille 3 voies
 sans Schrader préparé
 pour l'actionneur V-Port 30° - AISI 304**

3 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR V PORT 30°

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	DN				
	De (mm)	Di (mm)	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

BV31JD08X0003	13,72	10	14	130	*
BV31JD10X0003	17,15	14	14	130	*
BV31KD15X0003	21,34	17,30	17	130	*
BV31KD20X0003	26,67	22,70	17	130	*
BV31WD25X0003	33,4	28,6	26	130	*
BV31WD32X0003	42,16	36,00	26	130	*
BV31YD40X0103	48,26	42,20	36	130	*



Valvola a sfera 3 vie
 senza Schrader predisposta per l'attuatore
 V-Port 60° - AISI 304

3 way Ball valves
 without Schrader fit for actuator
 V-Port 60° - AISI 304

3 Wege Kugelventile
 ohne Schrader vorbereitet für
 den Antrieb V-Port 60° - AISI 304

Vanne à bille 3 voies
 sans Schrader préparé
 pour l'actionneur V-Port 60° - AISI 304

3 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR V PORT 60°

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	DN				
	De (mm)	Di (mm)	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

BV31JD08X0004	13,72	10	14	130	*
BV31JD10X0004	17,15	14	14	130	*
BV31KD15X0004	21,34	17,30	17	130	*
BV31KD20X0004	26,67	22,70	17	130	*
BV31WD25X0004	33,40	28,60	26	130	*
BV31WD32X0004	42,16	36,00	26	130	*
BV31YD40X0104	48,26	42,20	36	130	*



**Valvole 4 vie
 predisposte per l'attuatore
 con connessioni in INOX**

**4-way valves
 fit for the actuator
 with stainless steel connections**

**4-Wege-Ventile
 vorbereitet für den Antrieb
 mit Edelstahlanschlüssen**

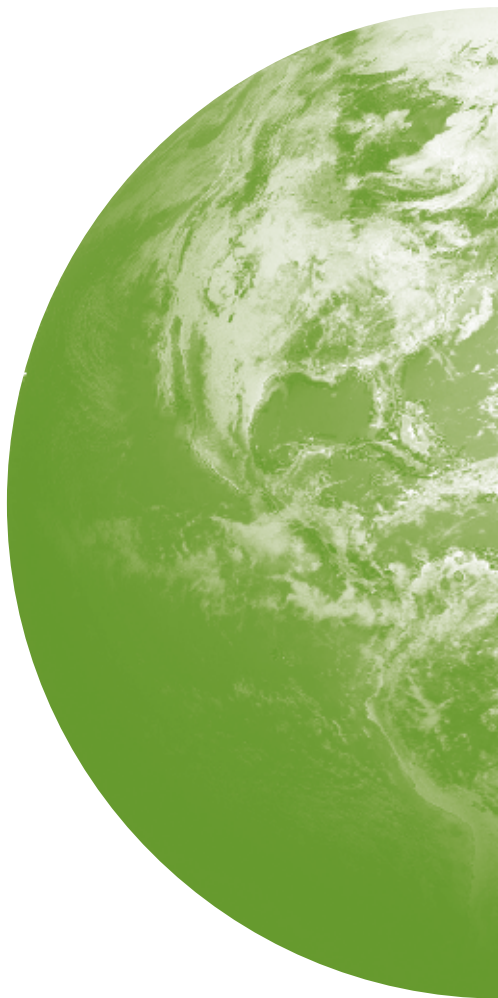
**Vannes à 4 voies
 préparées pour l'actionneur
 avec connexions en acier inoxydable**

4 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR

CODE	CONNECTIONS		PS	KV
	OD			
	mm		bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

BV41X028X0001	28		130	*
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R744
CO2
TRANSCRITICAL
STAINLESS
STEEL TYPE,
CUFE2P
CONNECTIONS



2 WAY BALL VALVE WITHOUT SCHRADER



Valvola a sfera 2 vie senza Schrader
 con corpo in INOX
 e connessioni CuFe2P

2 way Ball valves without Schrader
 with Stainless Steel body
 and CuFe2P connections

2 Wege Kugelventile ohne Schrader
 mit Edelstahlgehäuse
 und CuFe2P lötlanschlüsse

Vannes à bille 2 voies sans Schrader
 avec corps en acier inoxydable
 et raccords CuFe2P

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	ODS				
	mm	inches	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

BV21K022K0000	22	7/8"	19	130	23,1
BV21W028K0000	28		28	130	61,5
BV21W118K0000		1-1/8"	28	130	62,5
BV21W035K0000	35	1-3/8"	28	130	47,7
BV21W042K0000	42		28	130	57,6
BV21W158K0000		1-5/8"	28	130	57,3
BV21Y054K0100	54	2-1/8"	38	130	90



Valvola a sfera 3 vie senza Schrader
 con corpo in INOX
 e connessioni CuFe2P

3 way Ball valves without Schrader
 with Stainless Steel body
 and CuFe2P connections

3 Wege Kugelventile ohne Schrader
 mit Edelstahlgehäuse
 und CuFe2P lötlanschlüsse

Vannes à bille 3 voies sans Schrader
 avec corps en acier inoxydable
 et raccords CuFe2P

3 WAY BALL VALVE WITHOUT SCHRADER

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	ODS				
	mm	inches	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

BV31K022K0000	22	7/8"	17	130	*
BV31W028K0000	28		26	130	*
BV31W118K0000		1" 1/8	26	130	15,2
BV31W035K0000	35	1-3/8"	26	130	17,3
BV31W042K0000	42		26	130	*
BV31W158K0000		1-5/8"	26	130	15
BV31Y054K0100	54	2-1/8"	36	130	30,4



Valvola a sfera 2 vie senza Schrader
 con corpo in INOX e connessioni CuFe2P
 predisposta per l'attuatore

2 way Ball valves without Schrader
 with Stainless Steel body and CuFe2P
 connections fit for actuator

2 Wege Kugelventile ohne Schrader
 mit Edelstahlgehäuse und CuFe2P lötlanschlüsse
 vorbereitet für den Antrieb

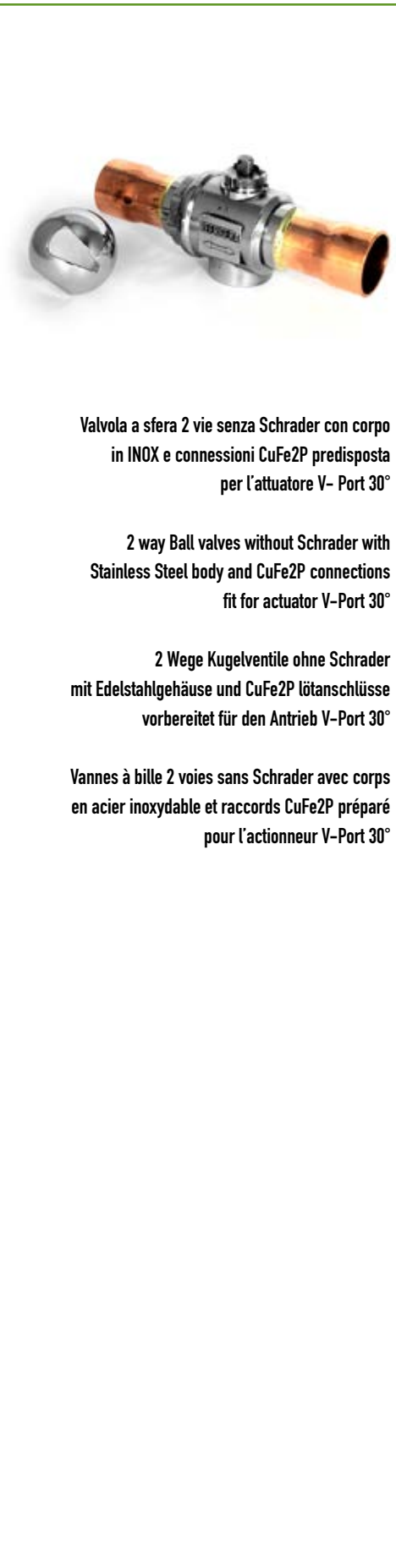
Vannes à bille 2 voies sans Schrader
 avec corps en acier inoxydable et raccords
 CuFe2P préparé pour l'actionneur

2 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	ODS				
	mm	inches	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

BV21K022K0001	22	7/8"	19	130	23,1
BV21W028K0001	28		28	130	61,5
BV21W118K0001		1" 1/8	28	130	62,5
BV21W035K0001	35	1-3/8"	28	130	47,7
BV21W042K0001	42		28	130	57,6
BV21W158K0001		1-5/8"	28	130	57,3
BV21Y054K0101	54	2-1/8"	38	130	90



Valvola a sfera 2 vie senza Schrader con corpo in INOX e connessioni CuFe2P predisposta per l'attuatore V-Port 30°

2 way Ball valves without Schrader with Stainless Steel body and CuFe2P connections fit for actuator V-Port 30°

2 Wege Kugelventile ohne Schrader mit Edelstahlgehäuse und CuFe2P lötlanschlüsse vorbereitet für den Antrieb V-Port 30°

Vannes à bille 2 voies sans Schrader avec corps en acier inoxydable et raccords CuFe2P préparé pour l'actionneur V-Port 30°

2 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR V PORT 30°

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	ODS				
	mm	inches	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

BV21K022K0003	22	7/8"	17	130	*
BV21W028K0003	28		26	130	*
BV21W118K0003		1-1/8"	26	130	*
BV21W035K0003	35	1-3/8"	26	130	*
BV21W042K0003	42		26	130	*
BV21W158K0003		1-5/8"	26	130	*
BV21Y054K0103	54	2-1/8"	38	130	*



Valvola a sfera 2 vie senza Schrader con corpo in INOX e connessioni CuFe2P predisposta per l'attuatore V-Port 60°

2 way Ball valves without Schrader with Stainless Steel body and CuFe2P connections fit for actuator V-Port 36°

2 Wege Kugelventile ohne Schrader mit Edelstahlgehäuse und CuFe2P lötlanschlüsse vorbereitet für den Antrieb V-Port 60°

Vannes à bille 2 voies sans Schrader avec corps en acier inoxydable et raccords CuFe2P préparé pour l'actionneur V-Port 60°

2 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR V PORT 60°

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	ODS				
	mm	inches	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

BV21K022K0004	22	7/8"	17	130	*
BV21W028K0004	28		26	130	*
BV21W118K0004		1-1/8"	26	130	*
BV21W035K0004	35	1-3/8"	26	130	*
BV21W042K0004	42		26	130	*
BV21W158K0004		1-5/8"	26	130	*
BV21Y054K0104	54	2-1/8"	38	130	*



Valvola a sfera 3 vie senza Schrader
 con corpo in INOX e connessioni CuFe2P
 predisposta per l'attuatore

3 way Ball valves without Schrader
 with Stainless Steel body and CuFe2P
 connections fit for actuator

3 Wege Kugelventile ohne Schrader
 mit Edelstahlgehäuse und CuFe2P lötlanschlüsse
 vorbereitet für den Antrieb

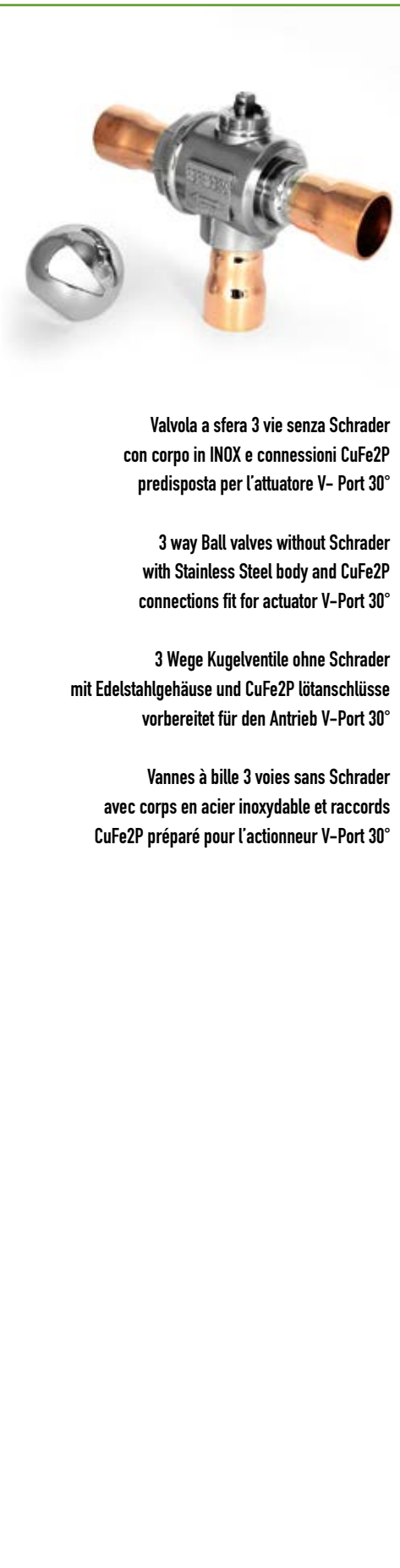
Vannes à bille 3 voies sans Schrader
 avec corps en acier inoxydable et raccords
 CuFe2P préparé pour l'actionneur

3 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	ODS				
	mm	inches	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

BV31K022K0001	22	7/8"	17	130	*
BV31W028K0001	28		26	130	*
BV31W118K0001		1-1/8"	26	130	15,2
BV31W035K0001	35	1-3/8"	26	130	17,3
BV31W042K0001	42		26	130	*
BV31W158K0001		1-5/8"	26	130	15
BV31Y054K0101	54	2-1/8"	36	130	30,4



Valvola a sfera 3 vie senza Schrader con corpo in INOX e connessioni CuFe2P predisposta per l'attuatore V- Port 30°

3 way Ball valves without Schrader with Stainless Steel body and CuFe2P connections fit for actuator V-Port 30°

3 Wege Kugelventile ohne Schrader mit Edelstahlgehäuse und CuFe2P lötlanschlüsse vorbereitet für den Antrieb V-Port 30°

Vannes à bille 3 voies sans Schrader avec corps en acier inoxydable et raccords CuFe2P préparé pour l'actionneur V-Port 30°

3 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR V PORT 30°

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	ODS				
	mm	inches	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

BV31K022K0003	22	7/8"	17	130	*
BV31W028K0003	28		26	130	*
BV31W118K0003		1-1/8"	26	130	*
BV31W035K0003	35	1-3/8"	26	130	*
BV31W042K0003	42		26	130	*
BV31W158K0003		1-5/8"	26	130	*
BV31Y054K0103	54	2-1/8"	36	130	*



Valvola a sfera 3 vie senza Schrader con corpo in INOX e connessioni CuFe2P predisposta per l'attuatore V-Port 60°

3 way Ball valves without Schrader with Stainless Steel body and CuFe2P connections fit for actuator V-Port 60°

3 Wege Kugelventile ohne Schrader mit Edelstahlgehäuse und CuFe2P lötlanschlüsse vorbereitet für den Antrieb V-Port 60°

Vannes à bille 3 voies sans Schrader avec corps en acier inoxydable et raccords CuFe2P préparé pour l'actionneur V-Port 60°

3 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR V PORT 60°

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	ODS				
	mm	inches	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

BV31K022K0004	22	7/8"	17	130	*
BV31W028K0004	28		26	130	*
BV31W118K0004		1-1/8"	26	130	*
BV31W035K0004	35	1-3/8"	26	130	*
BV31W042K0004	42		26	130	*
BV31W158K0004		1-5/8"	26	130	*
BV31Y054K0104	54	2-1/8"	36	130	*



**Valvole 4 vie predisposte per l'attuatore
 con connessioni in CuFe2P**

**4-way valves fit for actuator
 with CuFe2P connections**

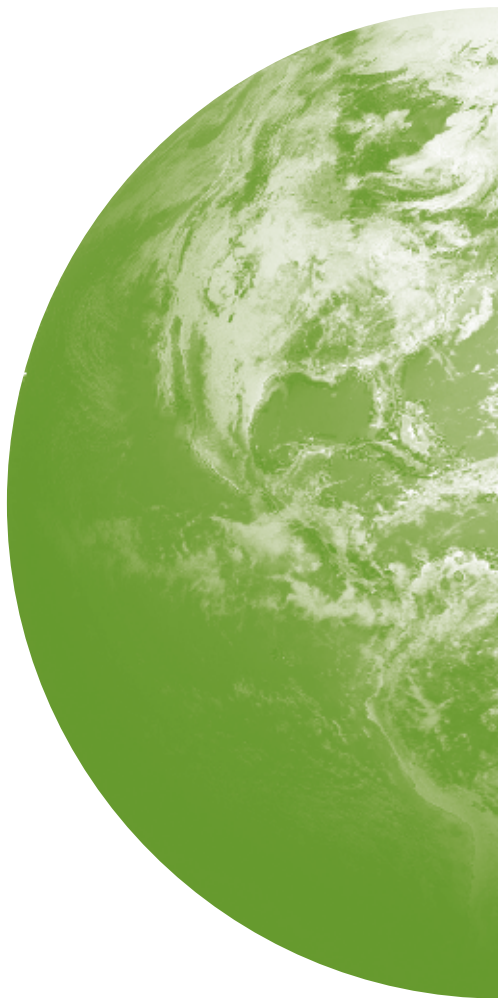
**4-Wege-Ventile passend für Antriebe
 mit CuFe2P-Anschlüssen**

**Vannes 4 voies adaptées à l'actionneur
 avec connexions CuFe2P**

4 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR				
CODE	CONNECTIONS		PS	KV
	ODS			
	mm	inches	bar	m ³ /h

TEMPERATURE °C MIN -40 / MAX +150

BV41X022K0006	22	7/8"	130	*
BV41X028K0006	28		130	*
BV41X118K0006		1-1/8"	130	*



R744
CO2
TRANSCRITICAL
OTHER
COMPONENTS



Valvole a 2 vie senza schrader
 con connessioni SAE-maschio / CuFe2P

2-way valves without schrader
 with SAE-male / CuFe2P connections

2-Wege-Ventile ohne Schrader
 mit SAE- Stecker / CuFe2P-Anschlüssen

Vannes à 2 voies sans schrader
 avec connexions SAE-mâle / CuFe2P

HYBRID SERVICE VALVE						
CODE	CONNECTIONS			SPHERE PASSAGE	PS	KV
	ODS		SAE			
	mm	inches	inches	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

BV21Z014RS105		1/4"	1/4"	8	140	1
BV21Z006RS105	6		1/4"	8	140	1
BV21Z038KS100		3/8"	1/4"	8	140	2,1
BV21Z010KS100	10		1/4"	8	140	2,1
BV21ZM12KS100	12		1/4"	8	140	2,2
BV21Z012KS100		1/2"	1/4"	8	140	2,2
BV21A038KS100		3/8"	1/4"	10	140	1,3
BV21A038KS200		3/8"	3/8"	10	140	5,3



Valvole a 2 vie senza schrader
 con connessioni SAE-maschio / INOX

2-way valves without schrader
 with SAE-male / stainless steel connections

2-Wege-Ventile ohne Schrader
 mit SAE- Außen- / Edelstahlanschlüssen

Vannes à 2 voies sans tiroir
 avec raccords SAE-mâle / acier inoxydable

HYBRID SERVICE VALVE					
CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	OD	SAE			
	mm	inches	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

BV21Z010XS100	10	1/4"	8	140	1,5
BV21ZM12XS100	12	1/4"	8	140	0,6
BV21A010XS100	10	1/4"	10	140	1,1



Valvole a 2 vie senza schrader con connessioni
 GAS-femmina / CuFe2P

2-way valves without schrader with GAS-
 female / CuFe2P connections

2-Wege-Ventile ohne Schrader mit GAS-
 Buchse / CuFe2P-Anschlüssen

Vannes à 2 voies sans registre avec raccords
 GAS-femelle / CuFe2P

HYBRID SERVICE VALVE						
CODE	CONNECTIONS			SPHERE PASSAGE	PS	KV
	GAS	ODS				
	inches	mm	inches	Ø mm	bar	m ³ /h

TEMPERATURE °C MIN -40 / MAX +150

BV21A038G1K00	1/4"		3/8"	10	140	1
BV21A038G2K00	3/8"		3/8"	10	140	4
BV21A010G1K00	1/4"	10		10	140	1
BV21A010G2K00	3/8"	10		10	140	3,9
BV21A012G2K00	3/8"		1/2"	10	140	2,4



Valvole a 2 vie senza schrader
 con connessioni in acciaio INOX / CuFe2P

2-way valves without schrader
 with stainless steel / CuFe2P connections

2-Wege-Ventile ohne Schrader
 mit Edelstahl / CuFe2P-Anschlüssen

Vannes à 2 voies sans schrader
 avec raccords en acier inoxydable / CuFe2P

HYBRID SERVICE VALVE

CODE	CONNECTIONS			SPHERE PASSAGE	PS	KV
	ODS		OD			
	mm	inches	mm	Ø mm	bar	m ³ /h

TEMPERATURE °C MIN -40 / MAX +150

BV21Z010KX000	10		10	8	140	5,6
BV21Z038KX000		3/8"	10	8	140	5,6
BV21ZM12KX000	12		10	8	140	1,9
BV21Z012KX000		1/2"	10	8	140	3,4
BV21B016KX000	16	5/8"	16	15	140	14,8
BV21B018KX000	18		18	15	140	8,1
BV21B034KX000		3/4"	18	15	140	8,2
BV21C022KX000	22	7/8"	22	19	140	29,5
BV21D028KX000	28		28	23,5	140	43,6
BV21D118KX000		1-1/8"	28	23,5	140	43,7
BV21E035KX000	35	1-3/8"	35	28	140	67,5
BV21F042KX000	42		42	38	120	119,2
BV21F158KX000		1-5/8"	42	38	120	120



Valvole a 2 vie con schrader
 con connessioni in acciaio INOX / CuFe2P

2-way valves with schrader
 with stainless steel / CuFe2P connections

2-Wege-Ventile mit Schrader
 mit Edelstahl / CuFe2P-Anschlüssen

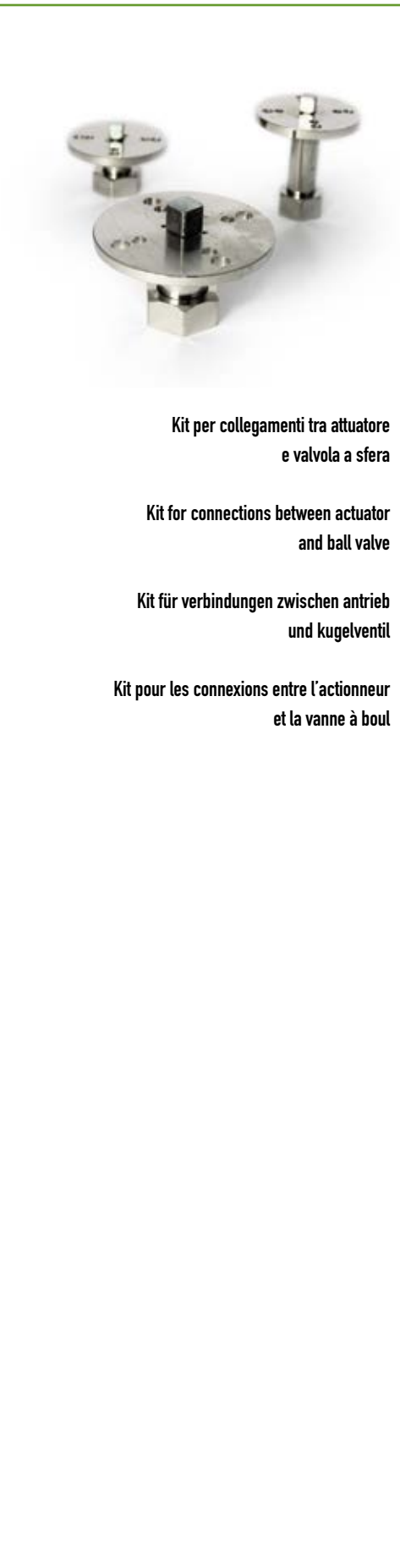
Vannes à 2 voies avec schrader
 avec raccords en acier inoxydable / CuFe2P

HYBRID SERVICE VALVE

CODE	CONNECTIONS			SPHERE PASSAGE	PS	KV
	ODS		OD			
	mm	inches	mm	Ø mm	bar	m ³ /h

TEMPERATURE °C MIN -40 / MAX +150

SV21A010KX000	10		10	10	140	3,8
SV21A038KX000		3/8"	10	10	140	3,8
SV21AM12KX000	12		12	10	140	6
SV21A012KX000		1/2"	12	10	140	6,1
SV21B016KX000	16	5/8"	16	15	140	14,8
SV21B018KX000	18		18	15	140	8,1
SV21B034KX000		3/4"	18	15	140	8,2
SV21C022KX000	22	7/8"	22	19	140	29,5
SV21D028KX000	28		28	23,5	140	43,6
SV21D118KX000		1-1/8"	28	23,5	140	43,7



**Kit per collegamenti tra attuatore
 e valvola a sfera**

**Kit for connections between actuator
 and ball valve**

**Kit für verbindungen zwischen antrieb
 und kugelventil**

**Kit pour les connexions entre l'actionneur
 et la vanne à boul**

CONNECTION KIT			
CODE	TYPE	SQUARE	FLANGE TYPE
		mm	
KAB09F350401	A-B	9	F03 / F05
KAB14F350401	A-B	14	F03 / F05
KCD09F350401	C-D	9	F03 / F05
KCD14F350401	C-D	14	F03 / F05
KEG14F570401	E-G-Y-W	14	F05 / F07
K0F14F570401	F	14	F05 / F07
K0F17F570401	F	17	F05 / F07
KHL14F570400	H-L-M-Q	14	F05 / F07
KHL14F570402	H-L-M-Q (3-WAY)	14	F05 / F07
KHL17F570400	H-L-M-Q	17	F05 / F07
KHL17F570402	H-L-M-Q (3-WAY)	17	F05 / F07
KEG14F570403	X (4-WAY)	14	F05 / F07



ELECTRIC ACTUATOR ON/OFF					
CODE	TORQUE	NOMINAL VOLTAGE	RUNNING TIME	DEGREE OF PROTECTION	INTERNAL PIN CODE
	Nm	V	S	IP	
BELIMO					
EASR230A-R-RFG	20	230V	90(S)	IP54	1
EASR24A-R	20	24V	90(S)	IP54	1
EAGR230A-R-RFG	40	230V	150(S)	IP54	2
EAGR24A-R	40	24V	150(S)	IP54	2
EAPRCA-S2-T-RFG	160	24-230V	30-120(S)	IP66	3



CODE	INTERNAL PIN CODE	DESCRIPTION
INTERNAL PIN CODE		
EASV-09	1	Internal Pin 9 x 9
EAGV-14REF	2	Internal Pin 14 x 14
EAPR02	3	Internal Pin 17 x 17



ELECTRIC ACTUATOR ON/OFF

CODE	TORQUE	NOMINAL VOLTAGE	RUNNING TIME	DEGREE OF PROTECTION
	Nm	V	S	IP

END ARMATUREN

EANA034100	30	230V	12(S)	IP67
EANA052100	50	24V	8/14(S)	IP67
EANA054100	50	230V	14(S)	IP67
EANA058100	50	230V	14(S)	IP67
EANA092100	90	24V	17(S)	IP67
EANA094100	90	230V	17(S)	IP67
EANA154100	150	230V	20(S)	IP67



Attuatori ON/OFF

Electric Actuator ON/OFF

Elektroantrieb AUF/ZU

Actionneurs ON/OFF



Attuatori ON/OFF

Electric Actuator ON/OFF

Elektroantrieb AUF/ZU

Actionneurs ON/OFF

ELECTRIC ACTUATOR MODULATING

CODE	TORQUE	NOMINAL VOLTAGE	RUNNING TIME	DEGREE OF PROTECTION
	Nm	V	S	IP

JOHNSON CONTROLS

EAJ020024M	20	0-10V	60(S)	IP65
EAJ100024M	100	0-10V	150(S)	IP65



Attuatori Modulanti

Modulating Electric Actuator

Elektroantrieb mit Stellungsregler

Actionneurs Modulants

ELECTRIC ACTUATOR MODULATING

CODE	TORQUE	NOMINAL VOLTAGE	RUNNING TIME	DEGREE OF PROTECTION	INTERNAL PIN CODE
	Nm	V	S	IP	

BELIMO

EASR24A-MP-R	20	24V	90(S)	IP54	1
EAGR24A-MP-R	40	24V	150(S)	IP54	2
EAPRCA-BACS2-T-RF	160	2-10V	35(S)	IP66	3

CODE	INTERNAL PIN CODE	DESCRIPTION
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INTERNAL PIN CODE

EASV-09	1	Internal Pin 9 x 9
EAGV-14REF	2	Internal Pin 14 x 14
EAPR02	3	Internal Pin 17 x 17



Attuatori Modulanti

Modulating Electric Actuator

Elektroantrieb mit Stellungsregler

Actionneurs Modulants



Attuatori Modulanti

Modulating Electric Actuator

Elektroantrieb mit Stellungsregler

Actionneurs Modulants

ELECTRIC ACTUATOR MODULATING

CODE	TORQUE	NOMINAL VOLTAGE	RUNNING TIME	DEGREE OF PROTECTION
	Nm	V	S	IP

END ARMATUREN

EANA054100M	50	230V	14(S)	IP67
EANA054100M210	50	230V	14(S)	IP67
EANA092100M	90	24V	17(S)	IP67
EANA094100M	90	230V	17(S)	IP67
EANA154100M	150	230V	20(S)	IP67



Attuatori Modulanti

Modulating Electric Actuator

Elektroantrieb mit Stellungsregler

Actionneurs Modulants

ELECTRIC ACTUATOR MODULATING

CODE	TORQUE	NOMINAL VOLTAGE	RUNNING TIME	DEGREE OF PROTECTION
	Nm	V	S	IP

JOHNSON CONTROLS

EAJ020024M	20	0-10V	60(S)	IP65
EAJ100024M	100	0-10V	150(S)	IP65



Attuatori con funzione di emergenza
Electric Actuator with emergency function
Elektroantrieb mit notfunktion
Actionneurs avec fonction d'urgence

ELECTRIC ACTUATOR WITH EMERGENCY FUCTION

CODE	TORQUE	NOMINAL VOLTAGE	RUNNING TIME	DEGREE OF PROTECTION	INTERNAL PIN CODE
	Nm	V	S	IP	

BELIMO

EASRFA-S2-R	20	24V/230V	75(S)	IP54	1
EAGRK24AX	40	24V	150(S)	IP54	2
EAPRKCA-BAC-S2-T-R	160	24-240V	30-120(S)	IP66	3



Attuatori con funzione di emergenza
Electric Actuator with emergency function
Elektroantrieb mit notfunktion
Actionneurs avec fonction d'urgence

CODE	INTERNAL PIN CODE	DESCRIPTION
------	-------------------	-------------

INTERNAL PIN CODE

EASZSV-09	1	Internal Pin 9 x 9
EAZGV-14REF	2	Internal Pin 14 x 14
EAZPR02	3	Internal Pin 17 x 17



Contatto ausiliario esterno
External auxiliary contact
Zusatzaußenkontakt
Contact auxiliaire externe

EXTERNAL AUXILIARY CONTACT

CODE	N° OF SWITCHES	CABLE
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EAS2A-GR	2 x SPDT	1m, 6 x 0,75mm ²
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MOTOR KIT SELECTION CHART

BODY VALVE TYPE	KIT CODE	ø (mm)	FLANGE TYPE	ACTUATOR ON/OFF				ACTUATOR WITH MODULATING FUNCTION					
				BELIMO		JOHNSON CONTROLS		BELIMO		JOHNSON CONTROLS			
				230V	24V	230V	24V	24V 0-10V	230V	24V	230V	24V	
A, B	KAB09F350401	9	F03 / F05	EASR20A-R-FRG 20Nm 90Sec.	EASR24A-R 20Nm 90Sec.	EJU02030 20Nm 60 Sec.	EJU02024 20Nm 60 Sec.	EASR24A-HP-R 20Nm 90Sec.	EJU02024M 20Nm 60 Sec.	EANA052100M 50Nm 8/14 Sec.	EANA05100M 50Nm 14 Sec.	EANA052100M 50Nm 8/14 Sec.	
				EASV149 Internal pin 9/9				EASV149 Internal pin 9/9					
				EAGR20A-R-FRG 40Nm 150 Sec.	EAGR24A-R 40Nm 150 Sec.			EAGR24A-HP-R 40Nm 150 Sec.					EANA054100M 50Nm 14 Sec.
				EAGS149REF Internal pin 14x14				EAGS149REF Internal pin 14x14					
C, D, J, K	KCD09F350401	9	F03 / F05	EASR20A-R-FRG 20Nm 90Sec.	EASR24A-R 20Nm 90Sec.	EJU02030 20Nm 60 Sec.	EJU02024 20Nm 60 Sec.	EASR24A-HP-R 20Nm 90Sec.	EJU02024M 20Nm 60 Sec.	EANA052100M 50Nm 8/14 Sec.	EANA05100M 50Nm 14 Sec.	EANA052100M 50Nm 8/14 Sec.	
				EASV149 Internal pin 9/9				EASV149 Internal pin 9/9					
				EAGR20A-R-FRG 40Nm 150 Sec.	EAGR24A-R 40Nm 150 Sec.			EAGR24A-HP-R 40Nm 150 Sec.					EANA054100M 50Nm 14 Sec.
				EAGS149REF Internal pin 14x14				EAGS149REF Internal pin 14x14					
E, S, W, Y	KEG14F570401	14	F05 / F07	EASR20A-R-FRG 40Nm 150 Sec.	EASR24A-R 40Nm 150 Sec.	EJU10030 100Nm 150 Sec.	EJU10024 100Nm 150 Sec.	EAGR24A-HP-R 40Nm 150 Sec.	EJU10024M 100Nm 150 Sec.	EANA052100M 50Nm 8/14 Sec.	EANA05100M 50Nm 14 Sec.	EANA052100M 50Nm 8/14 Sec.	
				EASV149 Internal pin 14x14				EASV149REF Internal pin 14x14					
				EAGR20A-R-FRG 40Nm 150 Sec.	EAGR24A-R 40Nm 150 Sec.			EAGR24A-HP-R 40Nm 150 Sec.					EANA054100M 50Nm 14 Sec.
				EAGS149REF Internal pin 14x14				EAGS149REF Internal pin 14x14					
F	KOF14F570401	14	F05 / F07	EASR20A-R-FRG 40Nm 150 Sec.	EASR24A-R 40Nm 150 Sec.	EJU10030 100Nm 150 Sec.	EJU10024 100Nm 150 Sec.	EAGR24A-HP-R 40Nm 150 Sec.	EJU10024M 100Nm 150 Sec.	EANA052100M 50Nm 8/14 Sec.	EANA05100M 50Nm 14 Sec.	EANA052100M 50Nm 8/14 Sec.	
				EASV149 Internal pin 14x14				EASV149REF Internal pin 14x14					
				EAGR20A-R-FRG 40Nm 150 Sec.	EAGR24A-R 40Nm 150 Sec.			EAGR24A-HP-R 40Nm 150 Sec.					EANA054100M 50Nm 14 Sec.
				EAGS149REF Internal pin 14x14				EAGS149REF Internal pin 14x14					
H, L, M, Q 2 WAY	KHL14F570400	14	F05 / F07	EAPRCA-S2-FRG 160Nm 35 Sec.	EAPRCA-S2-FRG 160Nm 35 Sec.	EJU10030 100Nm 150 Sec.	EJU10024 100Nm 150 Sec.	EAPRCA-S2-FRG 160Nm 35 Sec.	EJU10024M 100Nm 150 Sec.	EANA094100M 90Nm 17 Sec.	EANA094100M 90Nm 17 Sec.	EANA092100M 90Nm 17 Sec.	
				EAPR02 Internal pin 17x17				EAPR02 Internal pin 17x17					
H, L, M, Q 3WAY	KHL17F570402	17	F05 / F07	EAPRCA-S2-FRG 160Nm 35 Sec.	EAPRCA-S2-FRG 160Nm 35 Sec.	EJU10030 100Nm 150 Sec.	EJU10024 100Nm 150 Sec.	EAPRCA-S2-FRG 160Nm 35 Sec.	EJU10024M 100Nm 150 Sec.	EANA094100M 90Nm 17 Sec.	EANA094100M 90Nm 17 Sec.	EANA092100M 90Nm 17 Sec.	
				EAPR02 Internal pin 17x17				EAPR02 Internal pin 17x17					
X 4 WAY 22mm - 28mm - 1-1/8"	KEG14F570403	14	F05 / F07	EASR20A-R-FRG 20Nm 90Sec.	EASR24A-R 20Nm 90Sec.	EJU10030 100Nm 150 Sec.	EJU10024 100Nm 150 Sec.	EASR20A-R-FRG 20Nm 90Sec.	EJU10024M 100Nm 150 Sec.	EANA052100M 50Nm 8/14 Sec.	EANA05100M 50Nm 8 Sec.	EANA052100M 50Nm 8/14 Sec.	
				EASV149 Internal pin 9/9				EASV149 Internal pin 9/9					
				EAGR20A-R-FRG 40Nm 150 Sec.	EAGR24A-R 40Nm 150 Sec.			EAGR24A-HP-R 40Nm 150 Sec.					EANA054100M 50Nm 14 Sec.
				EAGS149REF Internal pin 14x14				EAGS149REF Internal pin 14x14					

TYPE: identifies the valve body. The corresponding letter can be found inside the valve product code; for example for two ways valve 12 mm SV21 AM12R0001 (fifth position from left).

KIT CODE: refers to the KIT to be mounted on the valve to connect the actuator.

This is a selection chart to facilitate a proper valve, kit and motor matching. A complete motorized valve unit consists of: VALVE + KIT + ACTUATOR (only for Belimo engines an additional motor internal pin is required). NOTE: Connection kit is never included and must be ordered separately.

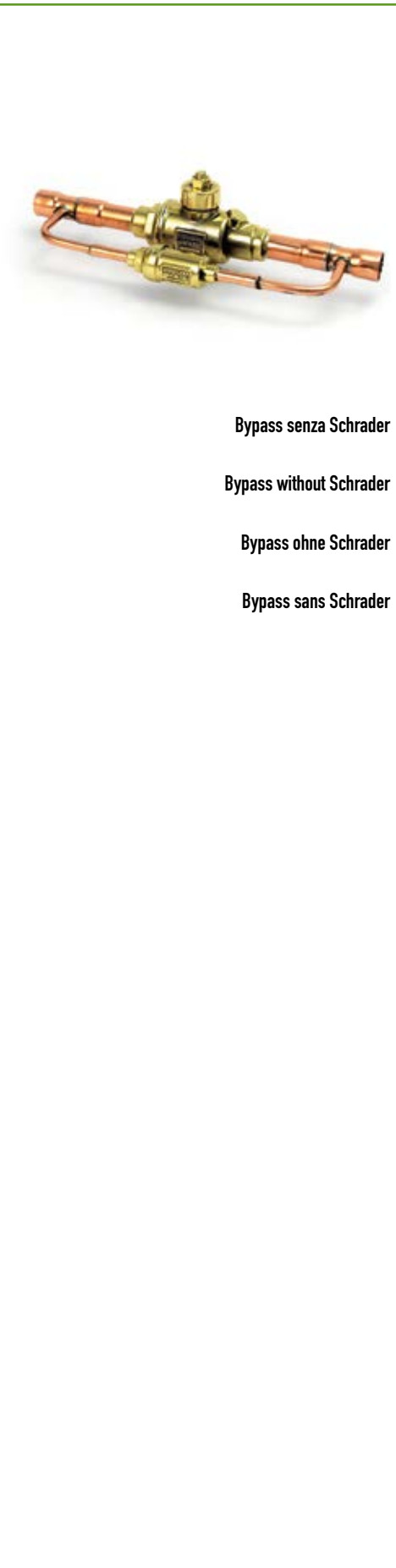
All motors technical data shown on this chart are for general information purposes only and may vary without any further notice. Current technical specifications are available on request.

Motor IP code	
BELIMO:	IP54 Motors EAPRCA-S2-FRG and EAPRCA-BACS2-FRG are IP66
JOHNSON CONTROLS:	IP65 All
END-ARMATUREN:	IP67 All



- Bypass con Schrader
- Bypass with Schrader
- Bypass mit Schrader
- Bypass avec Schrader

BY PASS WITH SCHRADER			
CODE	CONNECTIONS		PS
	ODS		
	mm	inches	bar
BPS1A038K0000		3/8"	90
BPS1A010K0000	10		90
BPS1AM12K0000	12		90
BPS1A012K0000		1/2"	90
BPS1B016K0000	16	5/8"	90
BPS1B018K0000	18		90
BPS1B034K0000		3/4"	90
BPS1C022K0000	22	7/8"	90



Bypass senza Schrader

Bypass without Schrader

Bypass ohne Schrader

Bypass sans Schrader

BY PASS WITHOUT SCHRADER			
CODE	CONNECTIONS		PS
	ODS		
	mm	inches	bar
BPN1Z038K0000		3/8"	90
BPN1Z010K0000	10		90
BPN1ZM12K0000	12		90
BPN1Z012K0000		1/2"	90
BPN1B016K0000	16	5/8"	90
BPN1B018K0000	18		90
BPN1B034K0000		3/4"	90
BPN1C022K0000	22	7/8"	90
BPN1D028K0005	28		90
BPN1D118K0005		1-1/8"	90
BPN1E035K0000	35	1-3/8"	90
BPN1F158K0000		1-5/8"	90
BPN1F042K0000	42		90



Indicatori di umidità
senza connessioni

Feuchtigkeitsanzeiger
ohne Anschlüsse

Feuchtigkeitsanzeiger mit
Lötverbindungen auf CuFe2P

Indicateurs d'humidité
sans connexions

SIGHT GLASS WITHOUT CONNECTIONS

CODE	CONNECTIONS		PS	KV
	ODS		bar	m³/h
	mm	inches		

TEMPERATURE °C MIN -35 / MAX +110

SG1010000	10		130	*
SG1M12000	12		130	*
SG1016000	16	5/8"	130	*
SG1018000	18		130	*
SG1022000	22	7/8"	130	*
SG1028000	28		130	*
SG1035000	35	1-3/8"	130	*
SG1042000	42		130	*



Indicatori di umidità
 con connessioni in CuFe2P

Moisture indicators
 with CuFe2P connections

Feuchtigkeitsanzeiger
 mit Lötverbindungen auf CuFe2P

Indicateurs d'humidité
 avec connexions de CuFe2P

SIGHT GLASS WITH ODS K65 CONNECTIONS

CODE	CONNECTIONS		PS	KV
	ODS			
	mm	inches	bar	m³/h

TEMPERATURE °C MIN -35 / MAX +110

SG1038K00		3/8"	130	*
SG1010K00	10		130	*
SG1M12K00	12		130	*
SG1012K00		1/2"	130	*
SG1016K00	16	5/8"	130	*
SG1018K00	18		130	*
SG1034K00		3/4"	130	*
SG1022K00	22	7/8"	130	*
SG1028K00	28		130	*
SG1118K00		1-1/8"	130	*
SG1035K00	35		130	*



Y-Strainer senza connessioni

Y-Strainer without connections

Y-Strainer ohne Anschlüsse

Y-Strainer sans connexion

Y STRAINER WITHOUT CONNECTION				
CODE	CONNECTIONS		PS	KV
	ODS		bar	m³/h
	mm	inches		
TEMPERATURE °C MIN -40 / MAX +150				
Y30101600000	16	5/8"	140	*
Y30103400000		3/4"	140	*
Y30102200000	22	7/8"	140	*
Y48111800000		1-1/8"	140	*
Y48103500000	35	1-3/8"	140	*
Y48115800000		1-5/8"	140	*
U.S. MESH 55 (270 µm)				



Y-Strainer con connessioni in CuFe2P

Y-Strainer with CuFe2P connections

Y-Strainer mit Lötverbindungen auf CuFe2P

Y-Strainer avec connexions de CuFe2P

Y STRAINER WITH CuFe2P CONNECTIONS

CODE	CONNECTIONS		PS	KV
	ODS		bar	m³/h
	mm	inches		

TEMPERATURE °C MIN -40 / MAX +150

Y301016K0000	16	5/8"	140	*
Y301018K0000	18		140	*
Y301034K0000		3/4"	140	*
Y301022K0000	22	7/8"	140	*
Y481028K0000	28		140	*
Y481118K0000		1-1/8"	140	*
Y481035K0000	35	1-3/8"	140	*
Y481158K0000		1-5/8"	140	*
Y481042K0000	42		140	*

U.S. MESH 55 (270 µm)



Y-Strainer con connessioni in INOX

Y-Strainer with Stainless Steel connections

Y-Strainer mit Edelstahlanschlüssen

Y-Strainer avec connexions de acier inoxydable

Y STRAINER WITH STAINLESS STEEL CONNECTIONS

CODE	CONNECTIONS		PS	KV
	OD		bar	m³/h
	mm	mm		

TEMPERATURE °C MIN -40 / MAX +150

Y301016X0000	16	16	140	*
Y301018X0000	18	18	140	*
Y301022X0000	22	22	140	*
Y481028X0000	28	28	140	6,5
Y481035X0000	35	35	140	*
Y481042X0000	42	42	140	*

U.S. MESH 55 (270 µm)



Valvola di scambio a 3 vie in ottone

3 way brass Changeover valve

3-Wege-Messing-Wechselventil

Vanne d'échange en laiton à 3 voies

3 WAY CHANGEOVER VALVE					
CODE	CONNECTIONS			PS	KV
	NPT F	NPT M	NPT F		
	OUT	IN	OUT	bar	m³/h
TEMPERATURE °C MIN -40 / MAX +150					
DB1012N0000	1/2"	1/2"	1/2"	130	4,8



Valvola di scambio a 3 vie in acciaio inox

3 way stainless steel Changeover valve

3-Wege-Austauschventil aus Edelstahl

Vanne d'échange en acier inoxydable à 3 voies

CODE	CONNECTIONS			PS	KV
	NPT F	NPT M	NPT F		
	OUT	IN	OUT	bar	m³/h
TEMPERATURE °C MIN -40 / MAX +150					
DX1012N0000	1/2"	1/2"	1/2"	130	5,7
DX1034N0000	3/4"	3/4"	3/4"	130	8,7
DX1100N0000	1"	1"	1"	130	13,9
DX1114N0000	1-1/4"	1-1/4"	1-1/4"	130	23,2



Valvole di sicurezza senza attacco di scarico

Safety valves without gas outlet

Sicherheitsventile ohne gasablaufanschluss

Vannes de sécurité sans raccord de décharge

SAFETY VALVE				
CODE	CONNECTIONS		KD	ORIFICE Ø
	NPT INLET	GAS OUTLET		mm
	inches	inches		

FOR PRESSURE RANGE 0 - 60 bar

SF140007XXXX00	1/4"	NO	0,81	7
SF380007XXXX00	3/8"	NO	0,81	7
SF380010XXXX00	3/8"	NO	0,77	10
SF120010XXXX00	1/2"	NO	0,77	10



Valvole di sicurezza con attacco di scarico

Safety valves with gas outlet

Sicherheitsventile mit gasablaufanschluss

Vannes de sécurité avec raccord de décharge

CODE	CONNECTIONS		KD	ORIFICE Ø
	NPT INLET	GAS OUTLET		mm
	inches	inches		

FOR PRESSURE RANGE 0 - 60 bar

SF141207XXXX00	1/4"	1/2"	0,85	7
SF381207XXXX00	3/8"	1/2"	0,85	7
SF383410XXXX00	3/8"	3/4"	0,77*	10
SF123410XXXX00	1/2"	3/4"	0,77*	10
SF120114XXXX00	1/2"	1"	0,81*	13,5
SF340114XXXX00	3/4"	1"	0,81*	13,5
SF010114XXXX00	1"	1"	0,81*	13,5
SF011120XXXX00	1"	1-1/4"	0,83	20
SF111120XXXX00	1-1/4"	1-1/4"	0,83	20
SF111725XXXX00	1-1/4"	1-1/4"	0,78	25
SF171725XXXX00	1-1/2"	1-1/2"	0,78	25

* If the Pressure is more than 3 Bar, KD=0,86



Valvole di sicurezza senza attacco di scarico

Safety valves without gas outlet

Sicherheitsventile ohne gasablaufanschluss

Vannes de sécurité sans raccord de décharge

SAFETY VALVE				
CODE	CONNECTIONS		KD	ORIFICE Ø
	NPT INLET	GAS OUTLET		mm
	inches	inches		

FOR PRESSURE RANGE 61 - 100 bar

SF120010XXXX00	1/2"	NO	0,85	10
SF340010XXXX00	3/4"	NO	0,85	10
SF340014XXXX00	3/4"	NO	0,89	14
SF010014XXXX00	1"	NO	0,89	14



Valvole di sicurezza con attacco di scarico

Safety valves with gas outlet

Sicherheitsventile mit gasablaufanschluss

Vannes de sécurité avec raccord de décharge

CODE	CONNECTIONS		KD	ORIFICE Ø
	NPT INLET	GAS OUTLET		mm
	inches	inches		

FOR PRESSURE RANGE 61 - 100 bar

SF120110XXXX00	1/2"	1"	0,86	10
SF340110XXXX00	3/4"	1"	0,86	10
SF341114XXXX00	3/4"	1-1/4"	0,86	14
SF011114XXXX00	1"	1-1/4"	0,86	14



Valvole di sicurezza con attacco di scarico

Safety valves with gas outlet

Sicherheitsventile mit gasablaufanschluss

Vannes de sécurité avec raccord de décharge

SAFETY VALVE				
CODE	CONNECTIONS		KD	ORIFICE Ø
	NPT INLET	GAS OUTLET		mm
	inches	inches		

FOR PRESSURE RANGE 101 - 150 bar

SF121110XXXX00	1/2"	1-1/4"	0,86	10
SF341110XXXX00	3/4"	1-1/4"	0,86	10
SF011110XXXX00	1"	1-1/4"	0,86	10
SF011714XXXX00	1"	1-1/2"	0,86	14
SF111714XXXX00	1-1/4"	1-1/2"	0,86	14



CODE	CONNECTIONS		KD	ORIFICE
	NPT INLET	GAS OUTLET		mm
	inches	inches		

FOR PRESSURE RANGE 101 - 120 bar

SF120105XXXX00	1/2"	1"	0,828	5
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CODE	CONNECTIONS		KD	ORIFICE
	NPT INLET	GAS OUTLET		mm
	inches	inches		

FOR PRESSURE RANGE 101 - 200 bar

SF120108XXXX00	1/2"	1"	0,783	8
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**Valvole 2 vie piombate con connessioni NPT-
 maschio / NPT- femmina**

**2 way sealed valves with NPT-male / NPT-
 female connections**

**2 Wege Kugelhähne abgedichtet mit NPT-
 Stecker / NPT-Buchse**

**Vannes à boisseau sphérique à 2 voies obturées
 avec NPT-mâle / NPT-femelle**

HYBRID SERVICE VALVE

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	NPT F	NPT M			
	inches	inches	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

BV21A014NFM07	1/4"	1/4"	10	140	2,9
BV21B012NFM07	1/2"	1/2"	15	140	13
BV21C100NFM07	1"	1"	19	140	24,8



MANIFOLD	
CODE	DESCRIPTION
MX2G100002	MANIFOLD, STAINLESS STEEL, HOLES 2 GAS 1/4, 1 ODS
MX2S100005	MANIFOLD, STAINLESS STEEL, HOLES 2 SAE 1/4, 2 NPT
MX3G100007	MANIFOLD, STAINLESS STEEL, HOLES 3 GAS 1/4, 2 GAS
MX4G100001	MANIFOLD, STAINLESS STEEL, HOLES 4 GAS 1/4, 2 GAS
MX4S100004	MANIFOLD, STAINLESS STEEL, HOLES 4 SAE 1/4, 2 NPT
MX6G100006	MANIFOLD, STAINLESS STEEL, HOLES 6 GAS 1/4, 2 GAS
MX6S100003	MANIFOLD, STAINLESS STEEL, HOLES 6 SAE 1/4, 2 NPT
MX6N101009	MANIFOLD, STAINLESS STEEL, HOLES 2 NPT 1/2", 4 NPT



HYBRID SERVICE VALVE

CODE	CONNECTIONS			SPHERE PASSAGE	PS
	NPT F	ODS			
	inches	mm	inches	Ø mm	bar

TEMPERATURE °C MIN -40 / MAX +150

BV21B015N0K02	1/2"	15		15	140
BV21B016N0K02	1/2"	16	5/8"	15	140
BV21C022N0K02	1"	22	7/8"	19	140



**Valvole a 2 vie piombate con connessioni NPT-
 Female / CuFe2P**

**2 way ball valve sealed with NPT- Female /
 CuFe2P connections**

**2-Wege-Kugelhahn abgedichtet mit NPT-
 Buchse / CuFe2P-Anschlüssen**

**Robinet à tournant sphérique à 2 voies scellé
 avec des connexions NPT- Femelle / CuFe2P**



HYBRID SERVICE VALVE					
CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	NPT F	OD			
	inches	mm	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

BV21B018NOX02	1/2"	18	15	140	9,3
BV21D028NOX02	1"	28	23,5	140	73,2



**Valvole a 2 vie piombate con connessioni NPT-
Female / acciaio INOX**

**2 way sealed valves with NPT-Female /
stainless steel connections**

**2-Wege-Ventile mit NPT-Innen- /
Edelstahlanschlüssen**

**Vannes scellées 2 voies avec raccords NPT-
Femelle / acier inoxydable**



HYBRID SERVICE VALVE

CODE	CONNECTIONS			SPHERE PASSAGE	PS	KV
	ODS		NPT M			
	mm	inches	inches	Ø mm	bar	m ³ /h

TEMPERATURE °C MIN -40 / MAX +150

BV21B015KN002	15		1/2"	15	140	9,9
BV21B016KN002	16	5/8"	1/2"	15	140	10
BV21B034KN002		3/4"	1/2"	15	140	10
BV21C022KN002	22	7/8"	1"	19	140	30,9

Valvole a 2 vie piombate con connessioni NPT-Maschio / CuFe2P

2 way sealed valves with NPT-Male / CuFe2P connections

2-Wege-Ventile mit NPT-Außen- / CuFe2P-Anschlüssen

Vannes scellées à 2 voies avec raccords NPT-Male / CuFe2P



HYBRID SERVICE VALVE

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	OD	NPT M			
	mm	inches	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

BV21Z010XN000	10	1/4"	8	140	3,9
BV21ZM12XN000	12	1/4"	8	140	2,4

**Valvole a 2 vie piombate con connessioni NPT-
Maschio / acciaio INOX**

**2 way sealed valves with NPT-Male / stainless
steel connections**

**2-Wege-Ventile mit NPT-Außen- /
Edelstahlanschlüssen**

**Vannes scellées à 2 voies avec raccords NPT-
Mâle / en acier inoxydable**



Coibentazioni

Insulating sleeve for ball valves

Isolation für ventile

Isolations

INSULATING SLEEVE FOR BALL VALVE

CODE	DESCRIPTION
IBV2Z00	INSULATING SLEEVE 2-WAY, TYPE Z, (6mm - 1/2")
IBV2A00	INSULATING SLEEVE 2-WAY, TYPE A, (6mm - 1/2")
IBV2B00	INSULATING SLEEVE 2-WAY, TYPE B, (15mm - 3/4")
IBV2C00	INSULATING SLEEVE 2-WAY, TYPE C, (22mm)
IBV2D00	INSULATING SLEEVE 2-WAY, TYPE D, (28mm - 1-1/8")
IBV2E00	INSULATING SLEEVE 2-WAY, TYPE E, (35mm)
IBV2F00	INSULATING SLEEVE 2-WAY, TYPE F, (1-5/8" - 42mm)



Meccanismo - Tappo Schrader

Mechanism - Schrader Cap

Mechanismus - Schrader Cap

Mécanisme - Casquette Schrader

MECHANISM - SCHRADER CAP

CODE	DESCRIPTION
MECCANISMO120	Mechanism for Schrader valve
N5-04CH17	Cap for Schrader valve



Curva a 90° Femmina/Femmina in CuFe2P

90° Bends Female/Female made of CuFe2P

90° Biegungen Weiblich/Weiblich aus CuFe2P

Coude à 90° Femelle/Femelle en CuFe2P

BEND 90° FEMALE/FEMALE		
CODE	CONNECTIONS	
	ODS	
	mm	inches
T90038038FF		3/8"
T90010010FF	10	
T90M12M12FF	12	
T90012012FF		1/2"
T90016016FF	16	
T90018018FF	18	
T90034034FF		3/4"
T90022022FF	22	7/8"
T90028028FF	28	
T90118118FF		1-1/8"
T90035035FF	35	1-3/8"
T90158158FF		1-5/8"
T90042042FF	42	



Curva a 45° Femmina/Femmina in CuFe2P

45° Bends Female/Female made of CuFe2P

45° Biegungen Weiblich/Weiblich aus CuFe2P

Coude à 45° Femelle/Femelle en CuFe2P

BEND 45° FEMALE/FEMALE		
CODE	CONNECTIONS	
	ODS	
	mm	inches
T45038038FF		3/8"
T45010010FF	10	
T45M12M12FF	12	
T45012012FF		1/2"
T45016016FF	16	
T45018018FF	18	5/8"
T45034034FF		3/4"
T45022022FF	22	7/8"
T45028028FF	28	
T45118118FF		1-1/8"
T45035035FF	35	1-3/8"
T45158158FF		1-5/8"
T45042042FF	42	



Riduzioni Femmina/Femmina
 in CuFe2P Female/

Female reducing coupling
 made of CuFe2P

Muffe/Muffe Reduzierkupplung
 aus CuFe2P

Réducteur Femelle/Femelle
 en CuFe2P

REDUCTIONS FEMALE/FEMALE		
CODE	CONNECTIONS	
	ODS	
	mm	mm
WITH CONNECTIONS IN MILLIMETERS		
TRDM12010FF	12	10
TRD016M12FF	16	12
TRD018016FF	18	16
TRD022016FF	22	16
TRD022018FF	22	18
TRD028022FF	28	22
TRD035028FF	35	28
TRD042035FF	42	35



**Riduzioni Femmina/Femmina
 in CuFe2P Female/**

**Female reducing coupling
 made of CuFe2P**

**Muffe/Muffe Reduzierkupplung
 aus CuFe2P**

**Réducteur Femelle/Femelle
 en CuFe2P**

REDUCTIONS FEMALE/FEMALE		
CODE	CONNECTIONS	
	ODS	
	inches	inches
WITH CONNECTIONS IN INCHES		
TRD012038FF	1/2"	3/8"
TRD016012FF	5/8"	1/2"
TRD034016FF	3/4"	5/8"
TRD022034FF	7/8"	3/4"
TRD118022FF	1-1/8"	7/8"
TRD035118FF	1-3/8"	1-1/8"
TRD158035FF	1-5/8"	1-3/8"



Giunti Femmina/Femmina in CuFe2P

Female to Female couplings made of CuFe2P

Buchse zu Buchse Kupplungen aus CuFe2P

Accouplements Femme à Femme en CuFe2P

STRAIGHT COUPLING FEMALE/FEMALE

CODE	CONNECTIONS
	ODS
	inches

WITH INCHES CONNECTIONS

TCP038038FF	3/8"
TCP012012FF	1/2"
TCP034034FF	3/4"
TCP118118FF	1-1/8"
TCP158158FF	1-5/8"



Giunti Femmina/Femmina in CuFe2P

Female to Female couplings made of CuFe2P

Buchse zu Buchse Kupplungen aus CuFe2P

Accouplements Femme à Femme en CuFe2P

CODE	CONNECTIONS
	ODS
	mm

WITH MILLIMETERS CONNECTIONS

TCP010010FF	10
TCPM12M12FF	12
TCP016016FF	16
TCP018018FF	18
TCP022022FF	22
TCP028028FF	28
TCP035035FF	35
TCP042042FF	42



Tee in CuFe2P

Tees made of CuFe2P

T-Stücke aus CuFe2P

Tees en CuFe2P

TEE FEMALE/FEMALE		
CODE	CONNECTIONS	
	ODS	
	inches	inches
TEE038FF	3/8"	3/8"
TEE012FF	1/2"	1/2"
TEE016FF	5/8"	5/8"
TEE034FF	3/4"	3/4"
TEE022FF	7/8"	7/8"
TEE118FF	1-1/8"	1-1/8"
TEE035FF	1-3/8"	1-3/8"
TEE158FF	1-5/8"	1-5/8"



Riduzioni da maschio a femmina in CuFe2P per Tee

Male to Female reductions in CuFe2P for Tee

Reduktion von CuFe2P für Tee von männlich zu weiblich

Réductions Homme à Femme en CuFe2P pour Tee

REDUCTION FOR TEE

CODE	CONNECTIONS	
	mm	inches

WITH MILLIMETERS / INCHES CONNECTIONS

TRD038010MF	3/8"	10
TRD012M12MF	1/2"	12
TRD016012MF	5/8"	12
TRD034016MF	3/4"	16
TRD118028MF	1-1/8"	28
TRD158042MF	1-5/8"	42



Riduzioni da maschio a femmina in CuFe2P per Tee

Male to Female reductions in CuFe2P for Tee

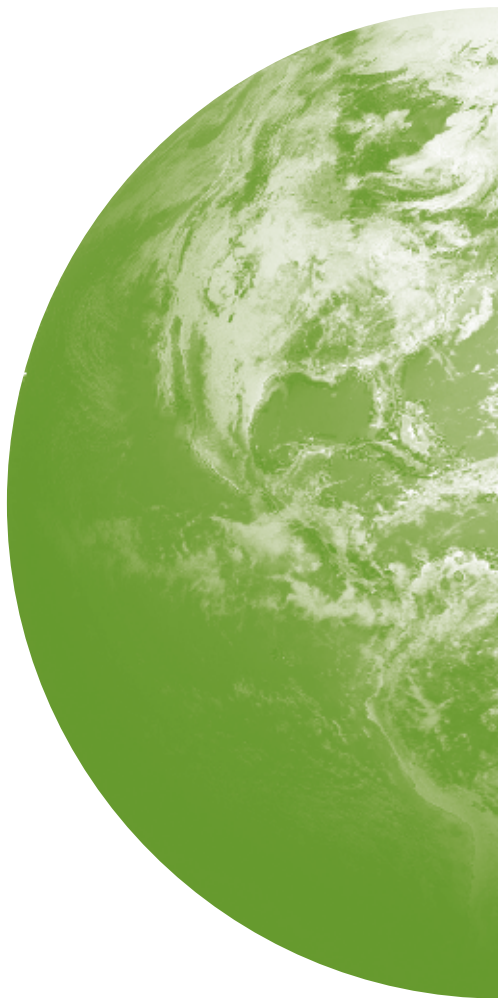
Reduktion von CuFe2P für Tee von männlich zu weiblich

Réductions Homme à Femme en CuFe2P pour Tee

CODE	CONNECTIONS	
	inches	inches

WITH INCHES / INCHES CONNECTIONS

TRD034014MF	3/4"	1/4"
TRD034038MF	3/4"	3/8"
TRD034016MF	3/4"	5/8"
TRD016038MF	5/8"	3/8"
TRD022038MF	7/8"	3/8"
TRD022016MF	7/8"	5/8"
TRD022034MF	7/8"	3/4"
TRD118016MF	1-1/8"	5/8"
TRD118034MF	1-1/8"	3/4"
TRD118022MF	1-1/8"	7/8"
TRD035118MF	1-3/8"	1-1/8"
TRD158035MF	1-5/8"	1-3/8"



R717
AMMONIA



Valvola a sfera 2 vie senza Schrader - AISI 304

2 way Ball valves without Schrader - AISI 304

2 Wege Kugelventile ohne Schrader - AISI 304

Vanne à bille 2 voies sans Schrader - AISI 304

2 WAY BALL VALVE WITHOUT SCHRADER

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	DN				
	De (mm)	Di (mm)	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

BV24JD08X0000	13,72	10	15	40	3,5
BV24JD10X0000	17,15	14	15	40	7,7
BV24KD15X0000	21,34	17,30	19	40	19
BV24KD20X0000	26,67	22,70	19	40	20,1
BV24WD25X0000	33,40	28,60	28	40	58,5
BV24WD32X0000	42,16	36,00	28	30	58,9
BV24YD40X0100	48,26	42,2	38	40	113,7
BV24QD50X0100	60,3	52	49	40	201,3



Valvola a sfera 3 vie senza Schrader - AISI 304

3 way Ball valves without Schrader - AISI 304

3 Wege Kugelventile ohne Schrader - AISI 304

Vanne à bille 3 voies sans Schrader - AISI 304

3 WAY BALL VALVE WITHOUT SCHRADER

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	DN				
	De (mm)	Di (mm)	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

BV34JD08X0000	13,72	10	13	40	*
BV34JD10X0000	17,15	14	13	40	*
BV34KD15X0000	21,34	17,3	17	40	7,3
BV34KD20X0000	26,67	22,7	17	40	7,2
BV34WD25X0000	33,4	28,6	26	40	17,6
BV34WD32X0000	42,16	36	26	30	16,2
BV34YD40X0100	48,26	42,2	36	40	33,2
BV34QD50X0100	60,3	52	46	40	55,3



Valvola a sfera 2 vie senza Schrader predisposta per l'attuatore - AISI 304

2 way Ball valves without Schrader fit for actuator - AISI 304

2 Wege Kugelventile ohne Schrader vorbereitet für den Antrieb - AISI 304

Vanne à bille 2 voies sans Schrader préparé pour l'actionneur - AISI 304

2 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	DN				
	De (mm)	Di (mm)	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

BV24JD08X0001	13,72	10	13	40	3,5
BV24JD10X0001	17,15	14	15	40	7,7
BV24KD15X0001	21,34	17,30	19	40	19
BV24KD20X0001	26,67	22,70	20	40	20,1
BV24WD25X0001	33,40	28,60	28	40	58,5
BV24WD32X0001	42,16	36,00	28	30	58,9
BV24YD40X0101	48,26	42,2	38	40	113,7
BV24QD50X0101	60,3	52	49	40	201,3



3 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	DN				
	De (mm)	Di (mm)	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

BV34JD08X0001	13,72	10	13	40	*
BV34JD10X0001	17,15	14	13	40	*
BV34KD15X0001	21,34	17,3	17	40	7,3
BV34KD20X0001	26,67	22,7	17	40	7,2
BV34WD25X0001	33,4	28,6	26	40	17,6
BV34WD32X0001	42,16	36	26	30	16,2
BV34YD40X0101	48,26	42,2	36	40	33,2
BV34QD50X0101	60,3	52	46	40	55,3



Valvola a sfera 3 vie
senza Schrader
predisposta per l'attuatore - AISI 304

3 way Ball valves
without Schrader
fit for actuator - AISI 304

3 Wege Kugelventile
ohne Schrader
vorbereitet für den Antrieb - AISI 304

Vanne à bille 3 voies
sans Schrader
préparé pour l'actionneur - AISI 304



4 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR

CODE	CONNECTIONS		PS	KV
	OD			
	mm		bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

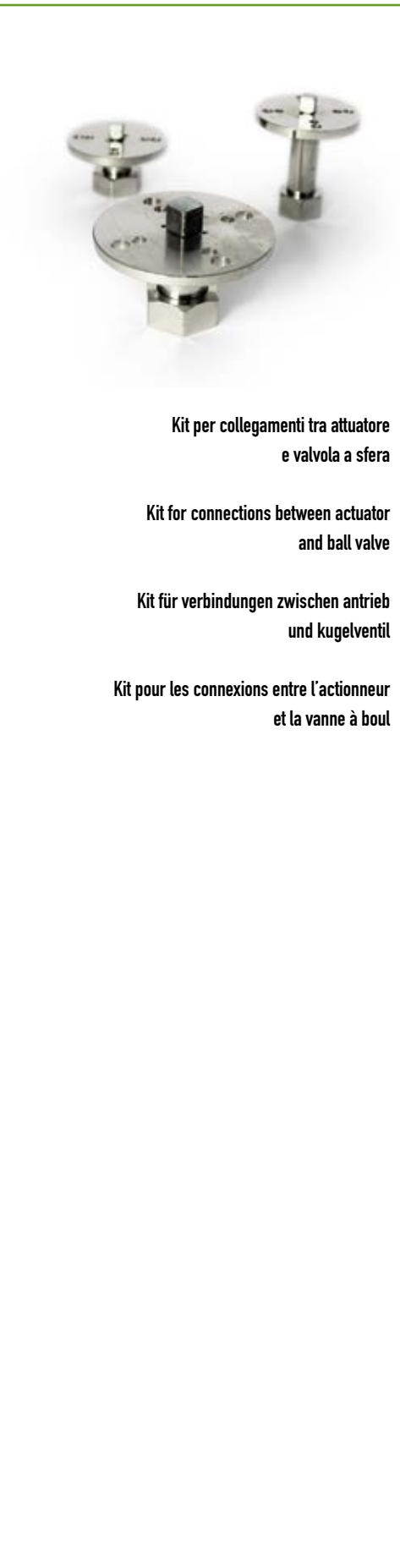
BV44X022X0001	22	40	*
BV44X028X0001	28	40	*

Valvole 4 vie predisposte per l'attuatore con connessioni in INOX

4-way valves fit for the actuator with stainless steel connections

4-Wege-Ventile vorbereitet für den Antrieb mit Edelstahlanschlüssen

Vannes à 4 voies préparées pour l'actionneur avec connexions en acier inoxydable



**Kit per collegamenti tra attuatore
e valvola a sfera**

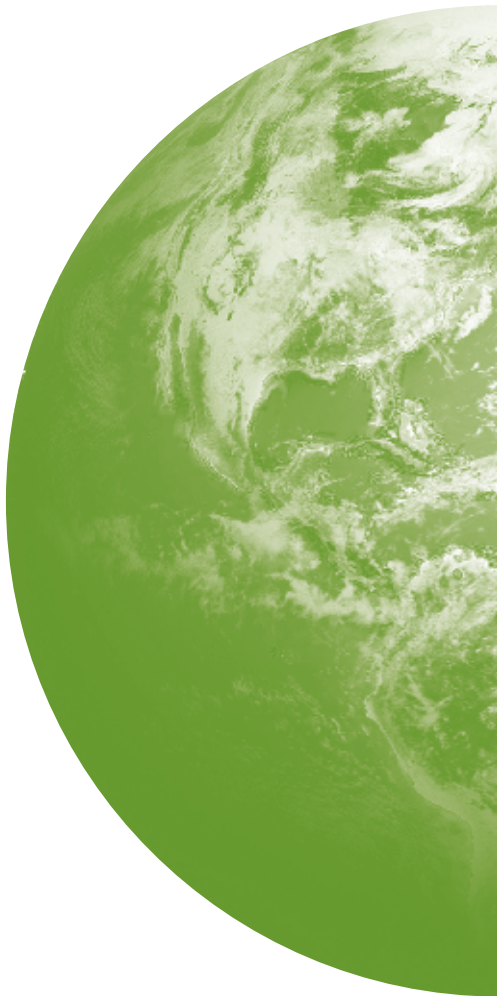
**Kit for connections between actuator
and ball valve**

**Kit für verbindungen zwischen antrieb
und kugelventil**

**Kit pour les connexions entre l'actionneur
et la vanne à boul**

CONNECTION KIT			
CODE	TYPE	SQUARE	FLANGE TYPE
		mm	
KAB09F350407	A-B	9	F03 / F05
KCD09F350407	C-D-K	9	F03 / F05
KEG14F570407	E-G-Y-W	14	F05 / F07
KHL14F570406	H-L-M-Q (2-WAY)	14	F05 / F07
KHL14F570408	H-L-M-Q (3-WAY)	14	F05 / F07
KHL17F570406	H-L-M-Q (2-WAY)	17	F05 / F07
KHL17F570408	H-L-M-Q (3-WAY)	17	F05 / F07
KEG14F570412	X (4-WAY)	14	F05 / F07





HC
R290,
R600,
R600A



Valvola a sfera 2 vie senza Schrader

2 way ball valves without Schrader

2 wege kugelventile ohne Schrader

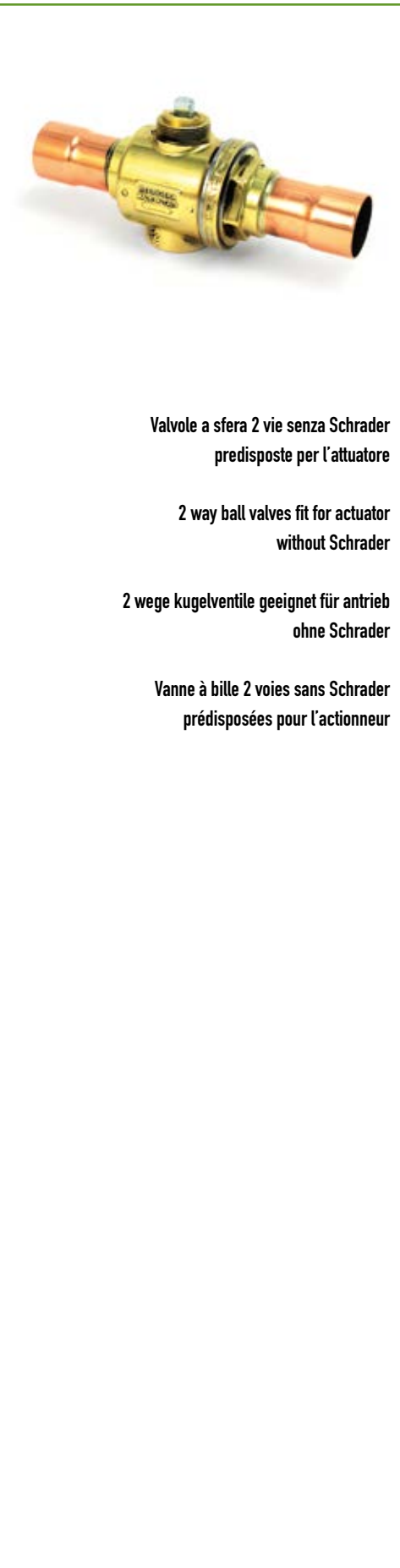
Vanne à bille 2 voies sans Schrader

2 WAY BALL VALVE WITHOUT SCHRADER

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	ODS				
	mm	inches	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

BV22Z006R0000	6		8	52	1,2
BV22Z014R0000		1/4"	8	52	1,2
BV22Z008R0000	8		8	52	3,8
BV22Z038R0000		3/8"	8	52	4
BV22Z010R0000	10		8	52	4
BV22ZM12R0000	12		8	52	3,5
BV22Z012R0000		1/2"	8	52	3,5
BV22A006R0000	6		10	52	1,1
BV22A014R0000		1/4"	10	52	1,1
BV22A008R0000	8		10	52	3,4
BV22A038R0000		3/8"	10	52	3,5
BV22A010R0000	10		10	52	3,5
BV22AM12R0000	12		10	52	6,7
BV22A012R0000		1/2"	10	52	6,7
BV22B015R0000	15		15	52	14,4
BV22B016R0000	16		15	52	14,8
BV22B018R0000	18		15	52	17
BV22B034R0000		3/4"	15	52	16,9
BV22C022R0000	22		19	52	29,3
BV22D028R0000	28		23,5	35	54,8
BV22D118R0000		1-1/8"	23,5	35	55,1
BV22E035R0000	35		32	28	114,7
BV22F158R0000		1" 5/8	40	23	156,2
BV22F042R0000	42		40	23	156,2



Valvole a sfera 2 vie senza Schrader predisposte per l'attuatore

2 way ball valves fit for actuator without Schrader

2 wege kugelventile geeignet für antrieb ohne Schrader

Vanne à bille 2 voies sans Schrader prédisposées pour l'actionneur

2 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	ODS				
	mm	inches	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

BV22A006R0001	6		10	52	1,1
BV22A014R0001		1/4"	10	52	1,1
BV22A008R0001	8		10	52	3,4
BV22A038R0001		3/8"	10	52	3,5
BV22A010R0001	10		10	52	3,5
BV22AM12R0001	12		10	52	6,7
BV22A012R0001		1/2"	10	52	6,7
BV22B015R0001	15		15	52	14,4
BV22B016R0001	16		15	52	14,8
BV22B018R0001	18		15	52	17
BV22B034R0001		3/4"	15	52	16,9
BV22C022R0001	22		19	52	29,3
BV22D028R0001	28		23,5	35	54,8
BV22D118R0001		1-1/8"	23,5	35	55,1
BV22E035R0001	35		32	28	114,7
BV22F158R0001		1-5/8"	40	23	156,2
BV22F042R0001	42		40	23	156,2



Valvole a sfera 3 vie senza Schrader

3 way ball valves without Schrader

3 wege kugelventile ohne Schrader

Vanne à bille 3 voies sans Schrader

3 WAY BALL VALVE WITHOUT SCHRADER

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	ODS				
	mm	inches	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

BV32A006R0000	6		9	52	0,9
BV32A014R0000		1/4"	9	52	0,9
BV32A008R0000	8		9	52	*
BV32A038R0000		3/8"	9	52	2,1
BV32A010R0000	10		9	52	2,1
BV32AM12R0000	12		9	52	2,2
BV32A012R0000		1/2"	9	52	2,2
BV32B015R0000	15		13	52	4,3
BV32B016R0000	16		13	52	4,4
BV32B018R0000	18		13	52	4,3
BV32B034R0000		3/4"	13	52	4,3
BV32C022R0000	22		17	52	7,2
BV32D028R0000	28		22	35	11,7
BV32D118R0000		1-1/8"	22	35	11,8
BV32E035R0000	35		26	28	15,3
BV32F158R0000		1-5/8"	36	23	35,5
BV32F042R0000	42		36	23	36,1



Valvole a sfera 3 vie senza Schrader predisposte per l'attuatore

3 way ball valves fit for actuator without Schrader

3 wege kugelventile geeignet für antrieb ohne Schrader

Vanne à bille 3 voies sans Schrader prédisposées pour l'actionneur

3 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR

CODE	CONNECTIONS		SPHERE PASSAGE	PS	KV
	ODS				
	mm	inches	Ø mm	bar	m³/h

TEMPERATURE °C MIN -40 / MAX +150

BV32A006R0001	6		9	52	0,9
BV32A014R0001		1/4"	9	52	0,9
BV32A008R0001	8		9	52	*
BV32A038R0001		3/8"	9	52	2,1
BV32A010R0001	10		9	52	2,1
BV32AM12R0001	12		9	52	2,2
BV32A012R0001		1/2"	9	52	2,2
BV32B015R0001	15		13	52	4,3
BV32B016R0001	16		13	52	4,4
BV32B018R0001	18		13	52	4,3
BV32B034R0001		3/4"	13	52	4,3
BV32C022R0001	22		17	52	7,2
BV32D028R0001	28		22	35	11,7
BV32D118R0001		1-1/8"	22	35	11,8
BV32E035R0001	35		26	28	15,3
BV32F158R0001		1" 5/8	36	23	35,5
BV32F042R0001	42		36	23	36,1



Valvole di ritegno con molla Standard

Check valves with Standard spring

Rückschlagventile mit Standardfeder

Vannes d'étanchéité avec ressort Standard

CHECK VALVE WITH STANDARD SPRING

CODE	CONNECTIONS		PS	KV
	ODS			
	mm	inches	bar	m ³ /h
CVN2006R0000	6		52	*
CVN2014R0000		1/4"	52	*
CVN2008R0000	8		52	*
CVN2038R0000		3/8"	52	*
CVN2010R0000	10		52	*
CVN2M12R0000	12		52	*
CVN2012R0000		1/2"	52	*
CVN2015R0000	15		52	*
CVN2016R0000	16		52	*
CVN2018R0000	18		52	*
CVN2034R0000		3/4"	52	*
CVN2022R0000	22		52	*
CVN2028R0000	28		35	*
CVN2118R0000		1-1/8"	35	*
CVN2035R0000	35		28	*
CVN2158R0000		1-5/8"	23	*
CVN2042R0000	42		23	*

STANDARD SPRING MINIMUM OPENING PRESSURE DIFFERENTIAL =0,1 bar



Valvole di ritegno con molla Rinforzata

Check valves with Reinforced spring

Rückschlagventile mit Verstärkter feder

Vannes d'étanchéité avec ressort Renforcé

CHECK VALVE WITH REINFORCED SPRING

CODE	CONNECTIONS		PS	KV
	ODS			
	mm	inches	bar	m ³ /h
CVR2006R0000	6		52	*
CVR2014R0000		1/4"	52	*
CVR2008R0000	8		52	*
CVR2038R0000		3/8"	52	*
CVR2010R0000	10		52	*
CVR2M12R0000	12		52	*
CVR2012R0000		1/2"	52	*
CVR2015R0000	15		52	*
CVR2016R0000	16		52	*
CVR2018R0000	18		52	*
CVR2034R0000		3/4"	52	*
CVR2022R0000	22		52	*
CVR2028R0000	28		35	*
CVR2118R0000		1-1/8"	35	*
CVR2035R0000	35		28	*
CVR2042R0000	42		23	*
CVR2158R0000		1-5/8"	23	*

STANDARD SPRING MINIMUM OPENING PRESSURE DIFFERENTIAL =0,3 bar

3 WAY CHANGEOVER VALVE

CODE	CONNECTIONS			PS	KV
	NPT F	NPT M	NPT F		
	OUT	IN	OUT	bar	m ³ /h

TEMPERATURE °C MIN -40 / MAX +150

DB2012N0000	1/2"	1/2"	1/2"	52	4,8
-------------	------	------	------	----	-----



Valvola di scambio a 3 vie in ottone

3 way brass Changeover valve

3-Wege-Messing-Wechselventil

Vanne d'échange en laiton à 3 voies

Le seguenti condizioni generali si applicano a tutte le offerte di vendita, a tutti gli ordini di acquisto e, una volta accettate, a tutti i contratti in cui Refrigerera Industriale s.r.l. (di seguito Refrigerera Industriale) assume il ruolo di venditore.

Le seguenti condizioni generali prevalgono, in ogni caso, su quelle eventualmente predisposte dall'acquirente.

Condizioni diverse richieste dall'acquirente saranno valide ed applicabili solo in caso di esplicita accettazione da parte di Refrigerera Industriale.

1. OFFERTE, ORDINI E CONTRATTI DI VENDITA

Le offerte, le fatture proforma e le dichiarazioni unilaterali, rilasciate da Refrigerera Industriale decadranno e saranno prive di effetti, se non accettate espressamente dall'acquirente entro il termine di validità indicato nelle stesse, ai sensi e per gli effetti degli artt. 1328 e 1329 c.c..

Le seguenti condizioni generali, debitamente firmate per accettazione, dovranno pervenire alla Refrigerera Industriale contestualmente all'invio degli ordini di acquisto o dell'accettazione delle offerte di vendita.

I Contratti si intenderanno a tutti gli effetti conclusi nel momento in cui verranno a Refrigerera Industriale copie delle offerte e delle seguenti condizioni generali debitamente sottoscritte per accettazione, ovvero nel momento in cui Refrigerera Industriale s.r.l. accetti l'ordine inviato dall'acquirente, congiuntamente alle seguenti condizioni generali, debitamente firmate per accettazione.

Refrigerera Industriale si riserva il diritto di considerare come mai pervenuti gli ordini e le accettazioni delle offerte non accompagnate dalle seguenti condizioni generali debitamente sottoscritte.

L'offerta ha efficacia di proposta revocabile in ogni forma, ai sensi e per gli effetti dell'art. 1328 c.c.; l'acquirente potrà revocare l'ordine nei 5 (cinque) giorni lavorativi successivi al suo ricevimento da parte di Refrigerera Industriale. Decorso tale termine, l'ordine acquisterà automaticamente efficacia di proposta irrevocabile e la manterrà fino al trentunesimo giorno lavorativo successivo alla data di consegna prevista nell'ordine stesso.

L'oggetto del Contratto sarà quello risultante dall'offerta e dall'accettazione dell'ordine, come integrati dalle seguenti condizioni generali.

2. CONSEGNA

La consegna dei prodotti oggetto del Contratto (qui di seguito i "Prodotti") si intende eseguita da parte di Refrigerera Industriale con remissione degli stessi al vettore. Il trasporto dei Prodotti avviene, pertanto, a rischio e pericolo dell'acquirente, anche se spediti in porto franco destino e/o con automezzi che presentano il servizio per conto di Refrigerera Industriale.

Refrigerera Industriale provvederà all'invio della conferma d'ordine entro 3 (tre) giorni lavorativi dal ricevimento dello stesso.

Il termine di consegna indicato da Refrigerera Industriale s.r.l. nella conferma d'ordine ovvero nell'offerta di vendita deve intendersi come non tassativo, bensì puramente indicativo del periodo in cui la consegna avrà luogo e, pertanto, Refrigerera Industriale in nessun caso potrà essere considerata responsabile per il suo mancato rispetto. In questi casi, ferma restando la conclusione del Contratto, sarà cura di Refrigerera Industriale comunicare all'acquirente le variazioni del termine di consegna preventivamente. Eventuali mancanze di ricezione della conferma d'ordine dovranno essere denunciate, a pena di decadenza, a mezzo posta elettronica o fax, da inviarsi entro 8 (otto) giorni dall'invio dell'ordine.

Refrigerera Industriale provvederà ad evadere gli ordini di acquisto e le accettazioni delle offerte di vendita secondo l'ordine cronologico di arrivo e secondo la disponibilità presso il magazzino di Refrigerera Industriale dei Prodotti ordinati.

3. PREZZI

Il prezzo dei Prodotti è quello indicato nella conferma d'ordine e/o nell'offerta di vendita. Le tasse, le imposte e le spese accessorie sono a carico dell'acquirente. I pagamenti si intendono sempre netti al domicilio del venditore.

4. INTERESSI DI MORA

In caso di ritardato pagamento da parte dell'acquirente, Refrigerera Industriale addebiterà allo stesso gli interessi di mora così come determinati ai sensi e per gli effetti dell'art. 5 del d.lgs. n. 231/02.

5. ECCEZIONE DI INADEMPIMENTO

Ai sensi e per gli effetti dell'articolo 1460 c.c., in caso di pagamento ritardato e/o parziale e/o comunque difforme dal dovuto da parte dell'acquirente di alcuno tra i suoi debiti presenti e futuri nei confronti di Refrigerera Industriale, comunque attinenti ai rapporti commerciali intercorsi tra le parti, Refrigerera Industriale stessa avrà diritto a sospendere immediatamente qualunque fornitura dei Prodotti in corso, o da effettuarsi successivamente, alla data di scadenza dei termini entro i quali il predetto pagamento da parte dell'acquirente avrebbe dovuto avere luogo integralmente.

6. SOLVIBILITÀ DELL'ACQUIRENTE

Nel caso in cui Refrigerera Industriale, successivamente alla stipula del contratto di vendita, ravvisi il venir meno ovvero la diminuzione delle condizioni di solvibilità dell'acquirente e/o delle garanzie generiche del credito, potrà, a sua assoluta discrezione, ritenere presso di sé i Prodotti non ancora consegnati e/o sospendere l'evasione degli ordini in corso e/o non processare nuovi ordini pervenuti dopo tale riscontro, fatti salvi gli altri rimedi di legge o previsti dal Contratto.

7. MODIFICHE

Refrigerera Industriale si riserva in ogni caso il diritto di effettuare modifiche tecniche e/o di prezzo ai suoi Prodotti, senza necessità di informazione preventiva all'acquirente, anche successivamente alla conclusione del Contratto.

8. GARANZIA E VIZI DEL PRODOTTO

La garanzia sui Prodotti si intende prestata esclusivamente nei termini qui di seguito specificati, con espressa esclusione dell'applicabilità al Contratto degli articoli 1490 e 1497 c.c..

Refrigerera Industriale garantisce che i Prodotti sono immuni da ogni vizio e/o difetto per un periodo di 12 (dodici) mesi, decorrente dalla data di spedizione, a condizione che l'acquirente sia in regola con i termini di pagamento delle somme a qualunque titolo dovute a Refrigerera Industriale. Ogni e qualsiasi contestazione e/o reclamo in ordine all'esecuzione del Contratto, ivi compresi modelli e/o quantità di prodotti diversi da quanto ordinato e/o consegnato e/o riportato nei documenti di trasporto, asseriti vizi e/o difetti dei Prodotti, dovranno essere denunciati, a pena di decadenza, a mezzo lettera raccomandata A/R da inviarsi entro 8 (otto) giorni dal ricevimento della merce. La contestazione ovvero il reclamo non sospende l'obbligo dell'acquirente al pagamento del prezzo dei Prodotti alle scadenze pattuite.

L'acquirente avrà diritto, ad assoluta discrezione di Refrigerera Industriale, alla sostituzione e/o riparazione e/o modifica gratuite dei Prodotti difettosi, che l'acquirente è tenuto ad inviare presso il magazzino di Refrigerera Industriale, a spese del venditore, accompagnati dal numero della relativa fattura e da un esauriente del vizio e/o difetto, previa verifica da parte di personale incaricato da Refrigerera Industriale dell'imputabilità a Refrigerera Industriale dei pretesi vizi e/o difetti.

Qualsiasi modifica di qualsiasi natura operata dall'acquirente sui Prodotti (quali ad esempio, a solo titolo esemplificativo e non esaustivo, nel caso di Prodotti che siano stati trasformati, ovvero sottoposti a carichi superiori a quelli ammessi, che abbiano lavorato in condizioni diverse da quelle stabilite dal venditore, che siano stati danneggiati da impurità nell'impianto dell'acquirente o che siano stati comunque manomessi dall'acquirente) esclude automaticamente la possibilità di qualsiasi contestazione e/o reclamo. Resta comunque inteso che la sostituzione e/o riparazione e/o modifica dei Prodotti da parte di Refrigerera Industriale non costituisce di per sé accettazione del reclamo dell'acquirente e rimane pertanto escluso ogni altro diritto anche di natura risarcitoria dell'acquirente ed ogni altro obbligo di Refrigerera Industriale. Nel caso in cui venga effettuata sostituzione e/o riparazione e/o modifica dei Prodotti e non sia applicabile la garanzia, al cliente verranno addebitate tutte le spese sostenute da Refrigerera Industriale, per gli interventi predetti sui Prodotti. Nel caso in cui, a giudizio insindacabile di Refrigerera Industriale, non sussista alcun vizio e/o difetto dei Prodotti imputabile a Refrigerera Industriale, quest'ultima addebiterà all'acquirente tutte le spese sostenute per l'analisi del Prodotto.

Refrigerera Industriale non si assume alcuna responsabilità per ogni danno diretto, indiretto o consequenziale che possa derivare da difetti e/o ritardi di consegna dei Prodotti, indipendentemente dalla causa, inclusi i difetti di materiale e/o fabbricazione.

I Prodotti riparati o sostituiti vengono restituiti al cliente in porto assegnato. L'acquirente dichiara di essere esaurientemente edotto circa la destinazione e l'uso dei Prodotti, per aver verificato tutti i dati tecnici e disegni, proposte, note ecc., riportati nei cataloghi, depliant e documenti. Pertanto Refrigerera Industriale non accetterà alcun reclamo e/o responsabilità per casi di non corretto funzionamento o di pretesa idoneità dei Prodotti, dovuti ad un uso diverso da quello indicato.

9. LEGGE APPLICABILE E FORO COMPETENTE

Ai fini delle presenti condizioni generali, le obbligazioni nascenti dai Contratti, dalle Offerte e dagli Ordini avranno quale luogo di esecuzione il magazzino Refrigerera Industriale Srl di Pordenone.

Il presente Contratto, le Offerte ed Ordini sono esclusivamente sottoposti alla Legge italiana, che ne regola la conclusione, esecuzione e cessazione e in base alla quale saranno interpretati il Contratto, le Offerte ed Ordini, anche al fine della risoluzione delle controversie eventualmente nascenti.

Per qualsiasi eventuale controversia soggetta alla giurisdizione italiana sarà competente in via esclusiva il Foro di Pordenone.



The following general terms and conditions apply to all sales offers, to all purchase orders and, once accepted, to all contracts where Refrigera Industriale s.r.l. (hereafter Refrigera Industriale) assumes the role of seller. The following general terms and conditions therefore prevail, over any provided by the buyer.

Other conditions requested by the buyer shall be valid and applicable only in the event of explicit acceptance by Refrigera Industriale.

1. OFFERS, ORDERS AND SALES CONTRACTS

The offers, proforma invoices and unilateral statements, made by Refrigera Industriale shall lapse and shall be considered null and void unless expressly accepted by the buyer within the period of validity indicated therein, pursuant to and for the purposes of articles 1328 and 1329 of the Italian Civil Code.

The following general terms and conditions, duly signed for acceptance, must be sent to Refrigera Industriale at the same time the purchase orders or acceptance of the sales offers are sent.

The Contracts shall be deemed for all intents and purposes concluded when Refrigera Industriale receives copies of the offers and the following terms and conditions duly signed for acceptance, or when Refrigera Industriale s.r.l. accepts the order sent by the buyer, together with the following general terms and conditions, duly signed for acceptance.

Refrigera Industriale reserves the right to consider orders and offer acceptances not accompanied by the following duly signed terms and conditions as not sent.

The offer can be effectively revoked in any form pursuant to and for the purposes of art. 1328 of the Italian Civil Code; the buyer may revoke the order within 5 (five) working days following receipt by Refrigera Industriale. Upon the expiry of said period, the order shall automatically become effective and irrevocable and shall remain so until the thirty-first working day following the delivery date planned in the order thereof.

The subject of the contract is that indicated by the offer and by the acceptance of the order, as supplemented by the following terms and conditions.

2. DELIVERY

Delivery of products covered by the Contract (hereafter the "Products") is intended performed by Refrigera Industriale with remission of the same to the carrier. Transport of Products therefore occurs at the buyer's risk and peril, even if shipped free on site delivery and/or with vehicles which provide the service on behalf of Refrigera Industriale.

Refrigera Industriale shall send the order confirmation within 5 (five) working days from receipt thereof.

The delivery date indicated by Refrigera Industriale s.r.l. in the order confirmation or in the sales offer must be considered as without limitation, albeit purely indicative of the period in which the delivery will take place and, therefore, Refrigera Industriale may in no event be held liable for its failure to comply. In these cases, without prejudice to the conclusion of the Contract, Refrigera Industriale shall communicate changes in the planned delivery terms to the buyer. Any failed receipt of the order confirmation must be reported, under penalty of forfeiture, by e-mail or fax, to be sent within 8 (eight) days from the order.

Refrigera Industriale shall process the purchase orders and acceptances of sales offers according to the chronological order of arrival and subject to availability of the Products ordered at the Refrigera Industriale warehouse.

3. PRICES

Product prices are those specified in the order confirmation and/or the sales offer. Taxes, fees and ancillary expenses shall be borne by the buyer. Payments are always intended as net at the seller's domicile.

4. DEFAULT INTEREST

In the event of delayed payment by the buyer, Refrigera Industriale shall charge the same interest on late payments as determined pursuant to art. 5 of Italian Legislative Decree no. 231/02.

5. NON-PERFORMANCE OBJECTION

Pursuant to and for the purposes of article 1460 of the Italian Civil Code, in the case of late and/or partial payment and/or however payment not in compliance with what is due by the buyer in his current and future payables to Refrigera Industriale, however relative to trade relations occurring between the parties, Refrigera Industriale shall be entitled to immediately suspend any supply of the Products in progress or to be carried out after the expiry date of the terms within which the aforementioned payment should have been fully paid by the buyer.

6. BUYER SOLVENCY

In the event that following the signing of the sales contract, Refrigera Industriale deems that the buyer's conditions of solvency and/or generic credit guarantees no longer exist, they can at their absolute discretion keep the undelivered products and/or suspend the execution of orders in progress and/or not process new orders received after said finding, without prejudice to other remedies provided by law or Contract.

7. CHANGES

Refrigera Industriale reserves the right to make any technical modifications and/or change product prices without prior notice to the buyer, even after the conclusion of the Contract.

8. WARRANTY AND PRODUCT DEFECTS

Warranty for Products shall mean exclusively granted under the terms herein specified below, with the express exclusion of the applicability of articles 1490 and 1497 of the Italian Civil Code to the Contract.

Refrigera Industriale guarantees that the Products are free from defects and/or faults for a period of 12 (twelve) months, commencing from the date of shipment, provided that the buyer is in good standing with the payment of the amounts due to Refrigera Industriale for any reason. All and any disputes and/or claims with respect to the execution of the Contract, including models and/or quantity of products other than that ordered and/or delivered and/or shown in the transport documents, alleged defects and/or faults in the Products must be reported, under penalty of forfeiture, in writing by Email or Fax to be sent within 8 (eight) days of receipt of the goods. The dispute or claim does not suspend the buyer's obligation to pay for the Products on the agreed dates.

At the absolute discretion of Refrigera Industriale the buyer shall be entitled to the free replacement and/or repair and/or modification of faulty Products, which the buyer is required to send at the seller's expense to the warehouse of Refrigera Industriale, accompanied by the related invoice number and a comprehensive description of the defect and/of fault, subject to verification by Refrigera Industriale staff of the imputability of the alleged defects and/or faults to Refrigera Industriale.

Any changes of any kind made by the buyer on the Products (such as for example, in the case of Products which have been transformed or subjected to loads in excess of those allowed, Products which have worked in conditions other than those established by the seller, Products which have been damaged by impurities in the buyer's system or have been in any way tampered with by the buyer) automatically excludes any dispute and/or claim. However, it is agreed that the replacement and/or repair and/or modification of the Products by Refrigera Industriale does not in itself constitute acceptance of the buyer's claim and therefore any other right even for compensation of the buyer and any other obligation of Refrigera Industriale is excluded. In the event of out of warranty replacement and/or repairs and/or modification of the Products the customer shall be charged all expenses incurred by Refrigera Industriale, for the aforementioned work on the Products. If at the sole discretion of Refrigera Industriale no defect and/or fault attributable to Refrigera Industriale is found, the latter will charge the buyer all expenses incurred for the examination of the Product.

Refrigera Industriale does not assume any responsibility for any direct, indirect or consequential damages that may arise from defects and/or delivery delays of the Products, regardless of cause, including material and/or manufacturing defects.

Repaired or replaced Products are returned to the customer at the assigned site.

The buyer declares to be fully informed with regards to the destination and use of the Products, after confirming all technical data and drawings, proposals, notes etc., shown in the catalogues, brochures and documents. Therefore Refrigera Industriale does not accept any claims and/or liability for malfunction or claims for suitability of the Products, due to a use other than that specified.

9. APPLICABLE LAW AND JURISDICTION

For the purposes of these general terms and conditions, the obligations arising under the Contracts, Offers and Orders shall take place at the warehouse of Refrigera Industriale Srl of Pordenone.

This Contract, the Offers and Orders are exclusively subject to Italian Law, which regulates the conclusion, implementation and termination, and under which the Contract, Offers and Orders shall be interpreted, also for the purpose of resolving any disputes which may arise.

Any dispute subject to Italian Law shall be referred to the exclusive jurisdiction of the Court of Pordenone.



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