



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
CO2
SUBCRITICAL



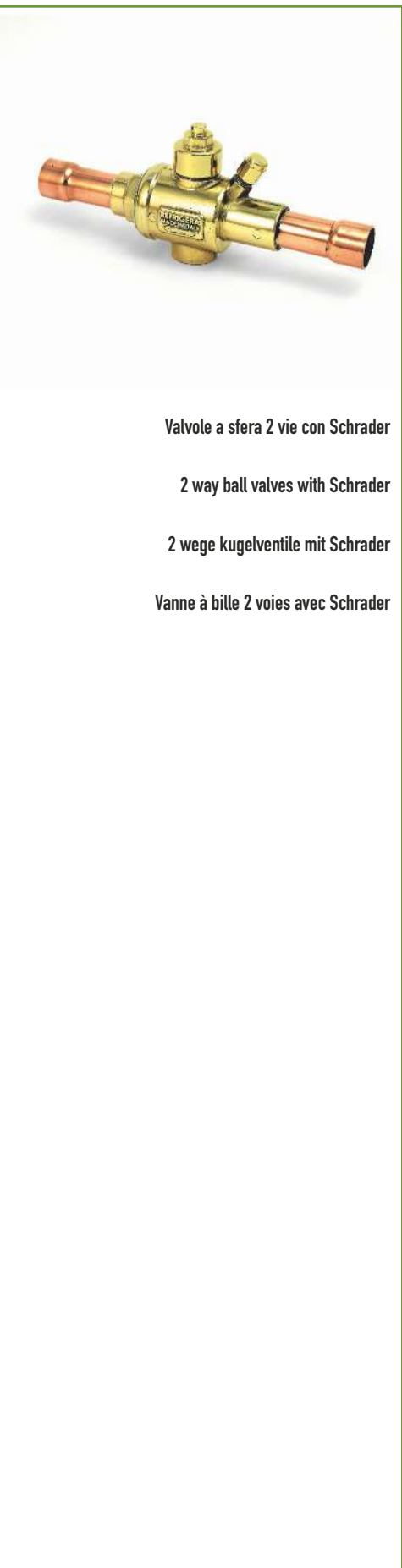
Valvola a sfera 2 vie senza Schrader

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



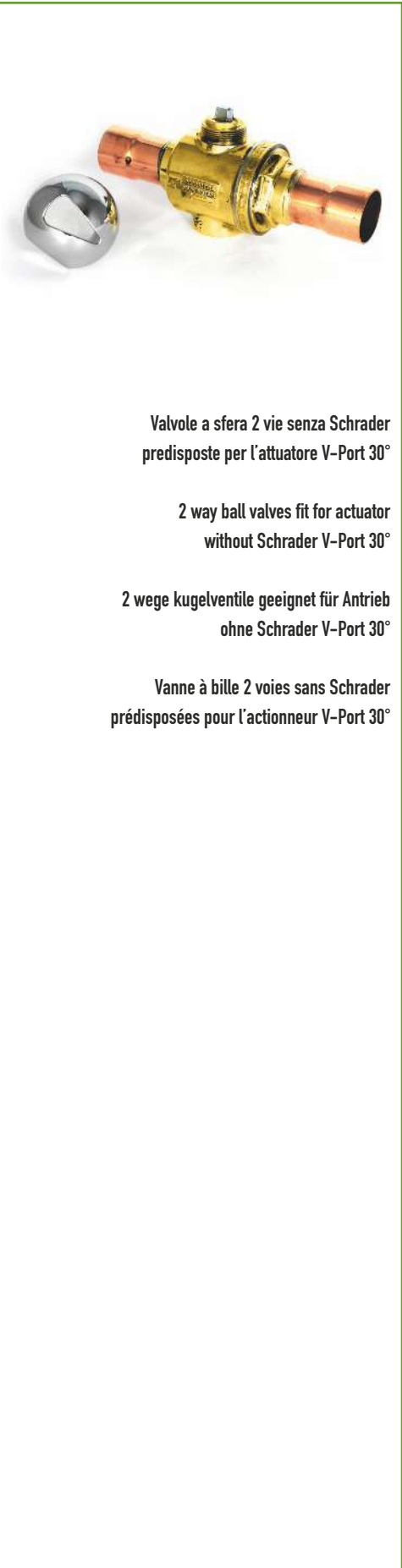
Valvole a sfera 2 vie senza Schrader
predisposte per l'attuatore

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



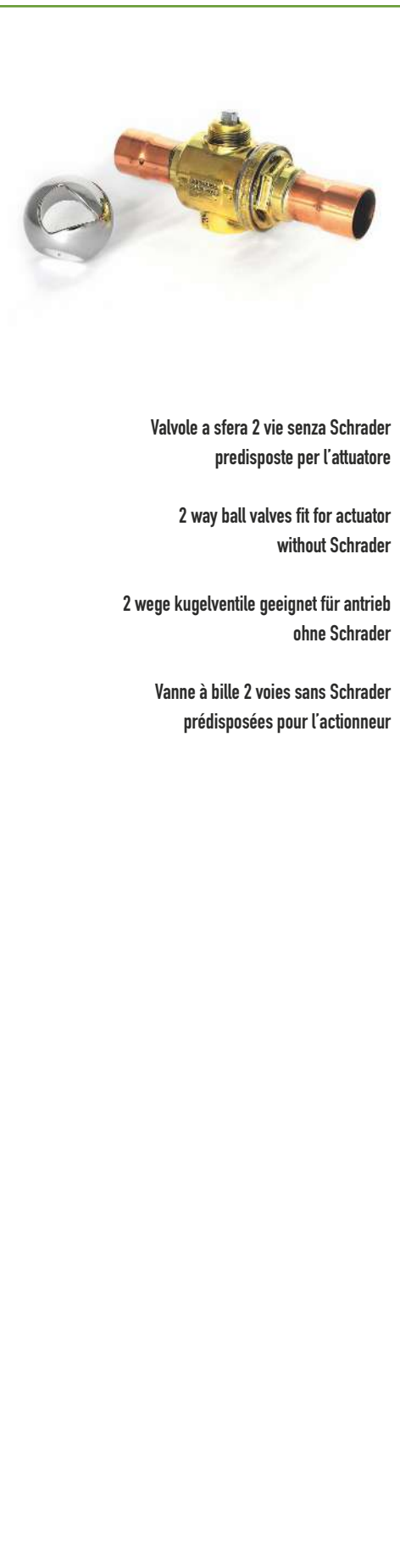
Valvole a sfera 2 vie senza Schrader predisposte per l'attuatore V-Port 30°

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

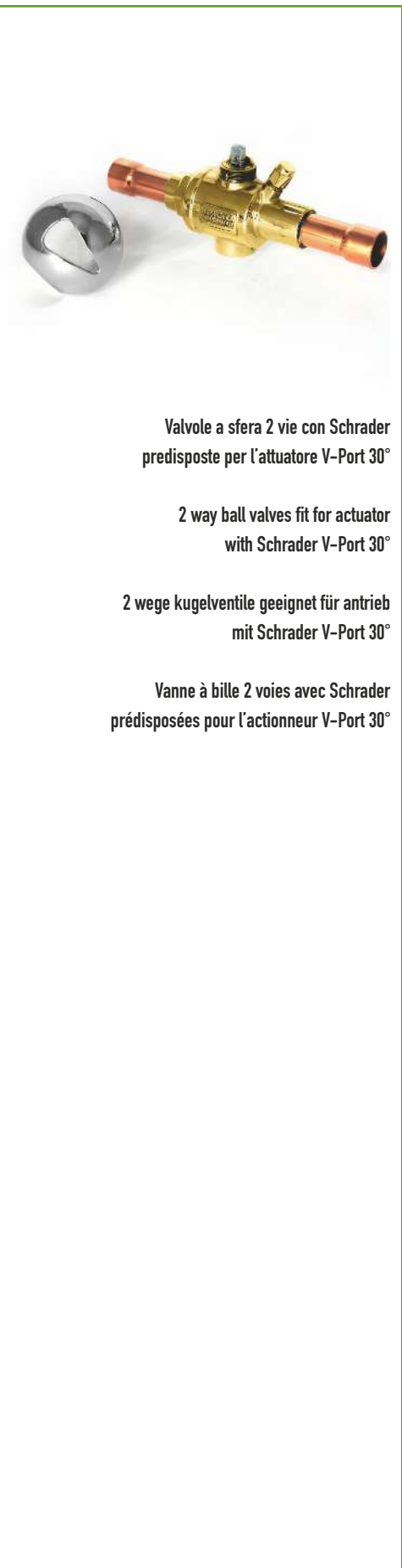
Vanne à bille 2 voies avec Schrader
prédisposées pour l'actionneur

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°

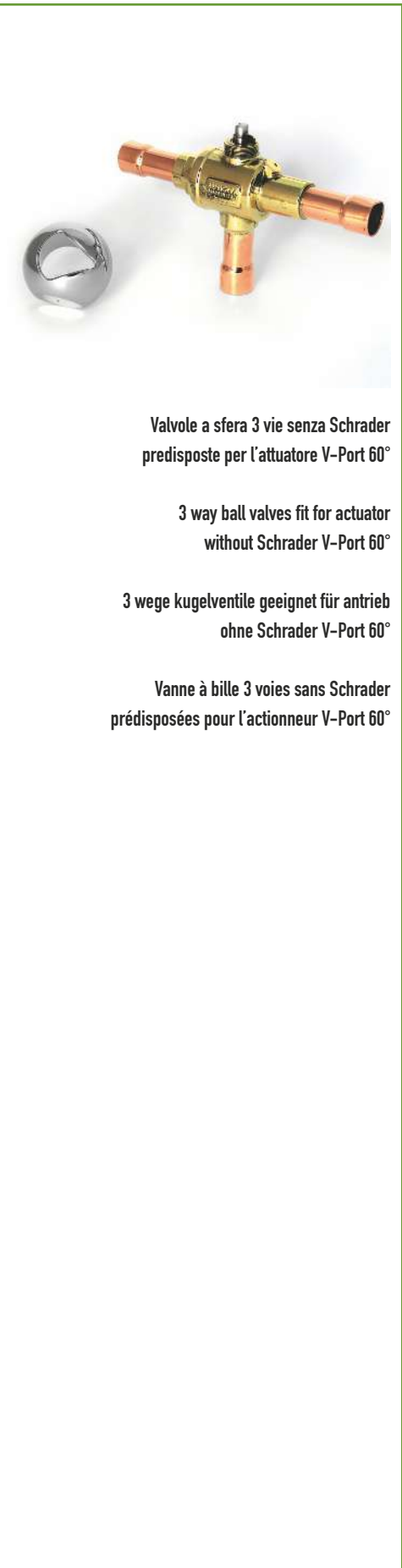
3 way ball valves fit for actuator
without Schrader V-Port 30°

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	*



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

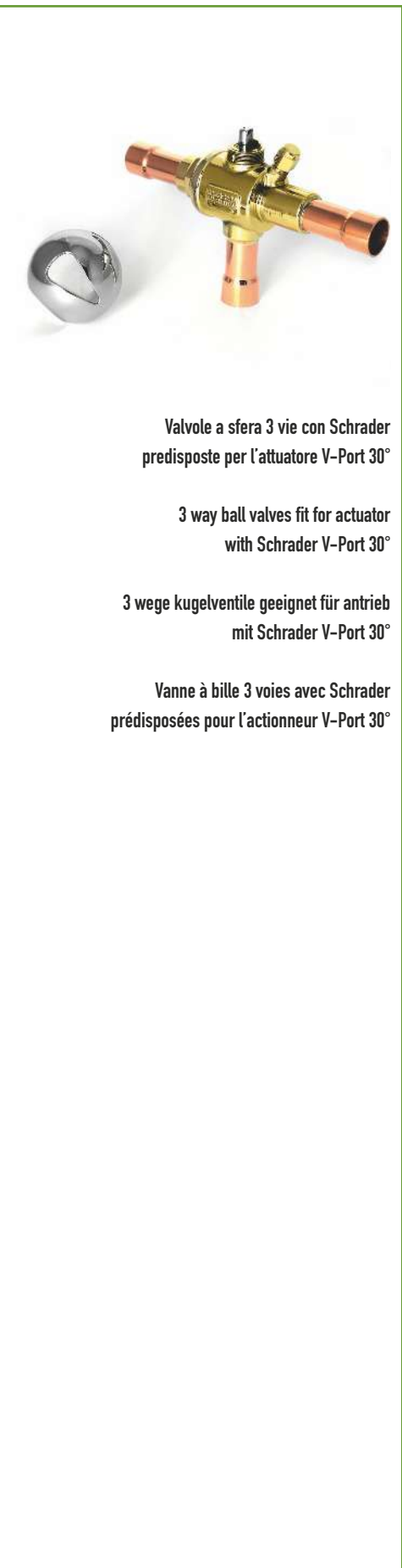
Vanne à bille 3 voies avec Schrader
prédisposées pour l'actionneur

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 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	*



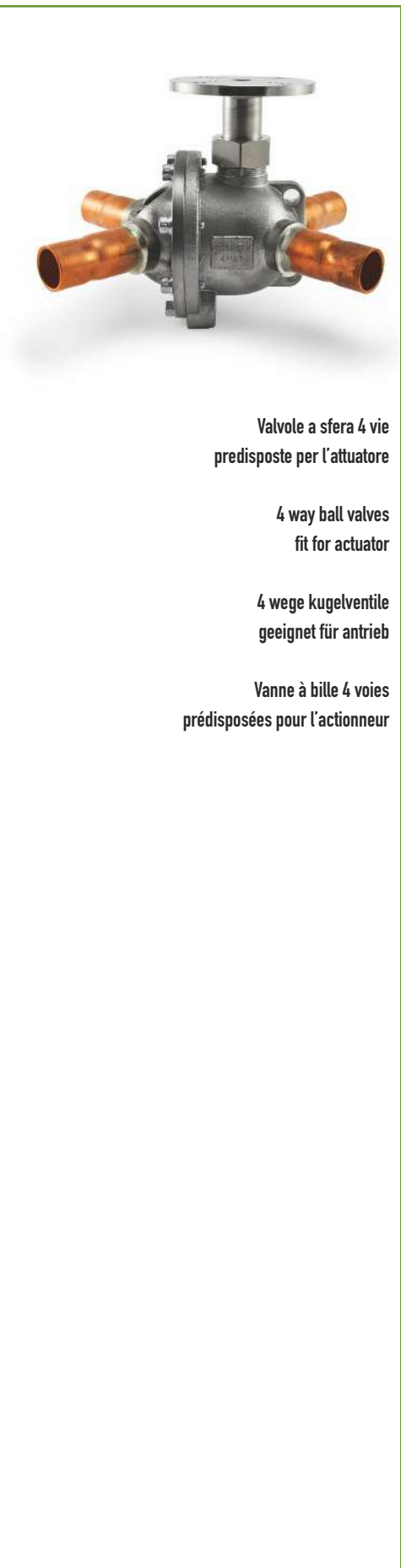
Valvole a sfera 3 vie con Schrader
predisposte per l'attuatore V-Port 60°

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

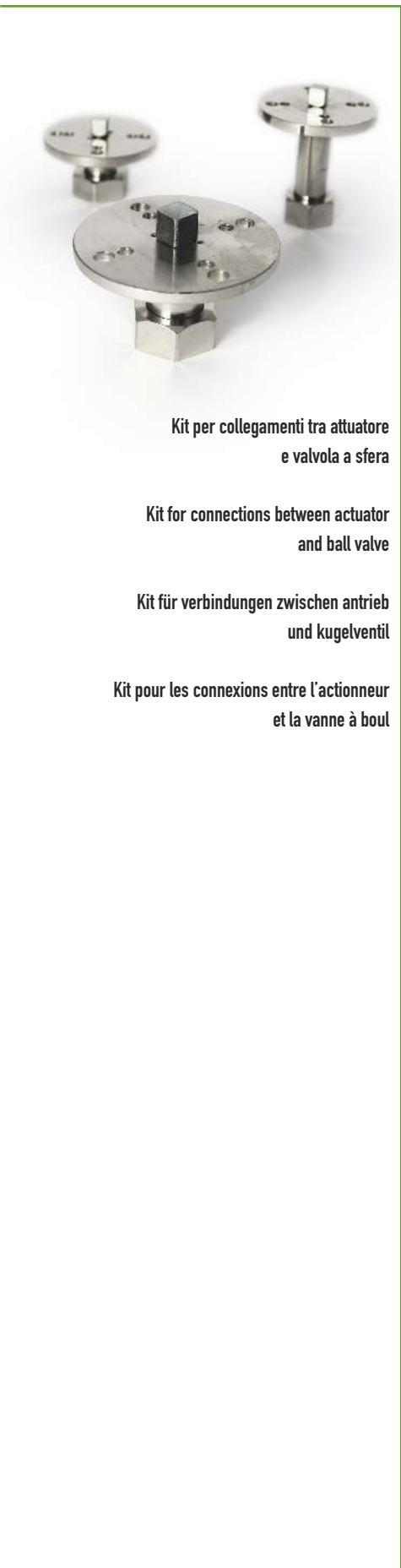
Vanne à bille 4 voies
prédisposées pour l'actionneur

4 WAY BALL VALVE WITHOUT SCHRADER FIT FOR ACTUATOR

CODE	CONNECTIONS		PS	KV
	ODS			
	mm	inches	bar	m³/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-J	9	F03 / F05
KAB11F350401	A-B-J	11	F03 / F05
KAB14F350401	A-B-J	14	F03 / F05
KCD09F350401	C-D-K	9	F03 / F05
KCD11F350401	C-D-K	11	F03 / F05
KCD14F350401	C-D-K	14	F03 / F05
KEG14F570401	E-G-W-Y	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	DESCRITPION
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 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				
EANA032100	30	24V	7(S)	IP67
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

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



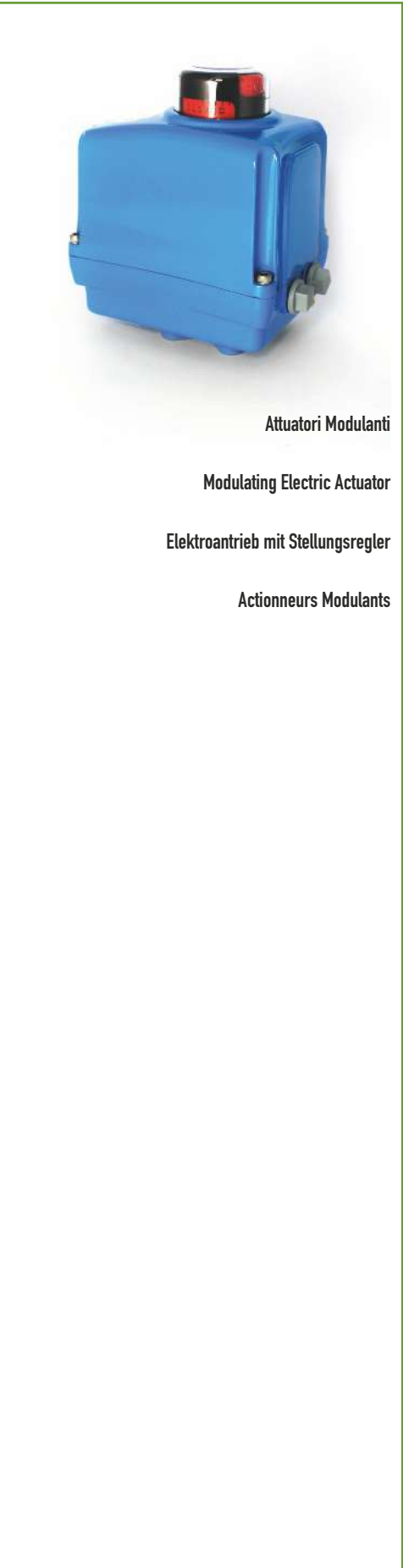
Attuatori Modulanti

Modulating Electric Actuator

Elektroantrieb mit Stellungsregler

Actionneurs Modulants

CODE	INTERNAL PIN CODE	DESCRIPTION
INTERNAL PIN CODE		
EASZSV-09	1	Internal Pin 9 x 9
EAGZGV-14REF	2	Internal Pin 14 x 14
EAZPR02	3	Internal Pin 17 x 17



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
EAS2A-GR	2 x SPDT	1m, 6 x 0,75mm ²

MOTOR KIT SELECTION CHART

REFRIGERA				ACTUATOR ON/OFF						ACTUATOR WITH MODULATING FUNCTION			
BODY VALVE TYPE	KIT CODE	q (mm)	FLANGE	BELIMO		JOHNSON CONTROLS		END-ARMATUREN		BELIMO	JOHNSON CONTROLS	END-ARMATUREN	
				230V	24V	230V	24V	230V	24V			230V	24V
A, B, J	KAB09F3S0401	9	F03 / F05	EASR230A-R-RFG 20Nm 90Sec.	EASR24A-R 20Nm 90Sec.	EAOJ02030 20Nm 60 Sec.	EAOJ00024 20Nm 60 Sec.	-	-	EASR24A-WP-R 20Nm 90Sec.	EAOJ00024M 20Nm 60 Sec.	-	-
				EASV-09 Internal pin 9x9						EASV-09 Internal pin 9x9			
C, D, K	KCD09F3S0401	9	F03 / F05	EASR230A-R-RFG 20Nm 90Sec.	EASR24A-R 20Nm 90Sec.	EAOJ02030 20Nm 60 Sec.	EAOJ00024 20Nm 60 Sec.	-	-	EASR24A-WP-R 20Nm 90Sec.	EAOJ00024M 20Nm 60 Sec.	-	-
				EASV-09 Internal pin 9x9						EASV-09 Internal pin 9x9			
E, G, W, Y	KEG14F5T0401	14	F05 / F07	EASR230A-R-RFG 40Nm 150 Sec.	EASR24A-R 40Nm 150 Sec.	-	-	-	-	EASR24A-WP-R 40Nm 150 Sec.	EAOJ00024M 100Nm 150 Sec.	-	-
				EASV-14REF Internal pin 14x14						EASV-14REF Internal pin 14x14			
F	KOF14F5T0401	14	F05 / F07	EASR230A-R-RFG 40Nm 150 Sec.	EASR24A-R 40Nm 150 Sec.	EAOJ00020 100Nm 150 Sec.	EAOJ00024 100Nm 150 Sec.	-	-	EASR24A-WP-R 40Nm 150 Sec.	EAOJ00024M 100Nm 150 Sec.	-	-
				EASV-14REF Internal pin 14x14						EASV-14REF Internal pin 14x14			
H, L, M, Q 2 WAY	KHL14F5T0400	14	F05 / F07	-	-	EAOJ00020 100Nm 150 Sec.	EAOJ00024 100Nm 150 Sec.	-	-	-	-	-	-
H, L, M, Q 3WAY	KHL17F5T0400	17	F05 / F07	EAPRCA-S2-T-RFG 160Nm 35 Sec.	EAPR02 Internal pin 17x17	-	-	-	-	EAPRCA-BACS2-T-RFG 160Nm 35 Sec.	EAOJ00024M 100Nm 150 Sec.	-	-
				EAPR02 Internal pin 17x17						EAPR02 Internal pin 17x17			
H, L, M, Q 3WAY	KHL14F5T0402	14	F05 / F07	-	-	EAOJ00020 100Nm 150 Sec.	EAOJ00024 100Nm 150 Sec.	-	-	-	EAOJ00024M 100Nm 150 Sec.	-	-
X 4 WAY 22mm - 28mm - 1-1/8"	KEG14F5T0403	14	F05 / F07	EAPRCA-S2-T-RFG 160Nm 35 Sec.	EAPR02 Internal pin 17x17	-	-	-	-	EAPRCA-BACS2-T-RFG 160Nm 35 Sec.	EAOJ00024M 100Nm 150 Sec.	-	-
				EAPR02 Internal pin 17x17						EAPR02 Internal pin 17x17			
TYPE: identifies the valve body. The corresponding letter can be found inside the valve product code: for example for two ways valve 12 mm SV21AM1 2R0001 (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 P code													
BELIMO:				Motors EAPRCA-S2-T-RFG and EAPRCA-BACS2-T-RFG are IP66									
JOHNSON CONTROLS:				All									
END-ARMATUREN:				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	m³/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	m³/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



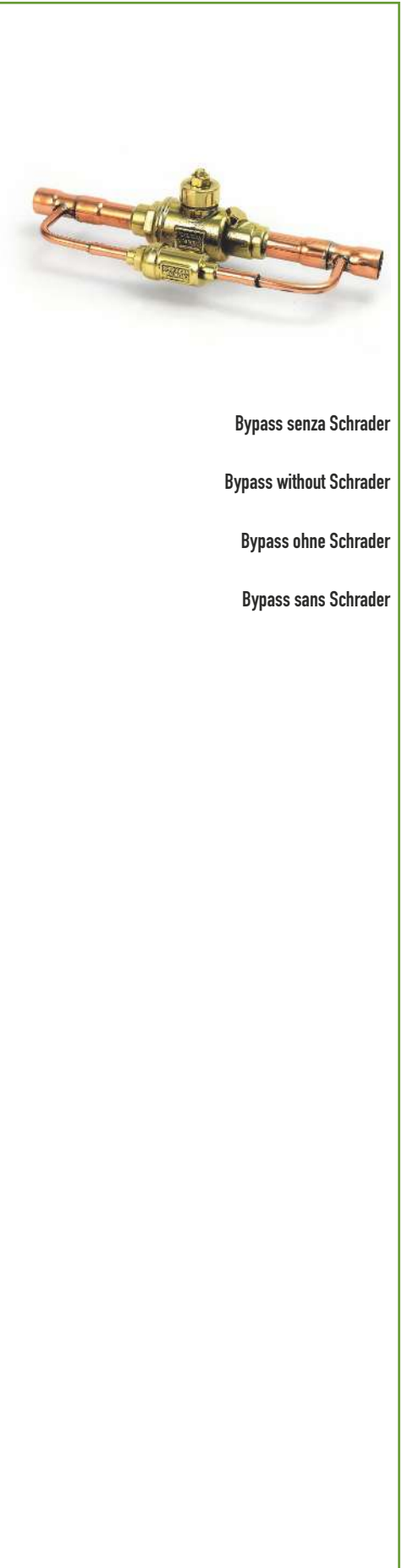
Bypass con Schrader

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	CAPACITY KW	PS
	ODS		cm³	Δ p=0,07 bar	bar
	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	cm ³	$\Delta p=0,07$ bar	bar
	inches			
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



A series of horizontal dotted lines spanning the width of the page, intended for writing or drawing.

