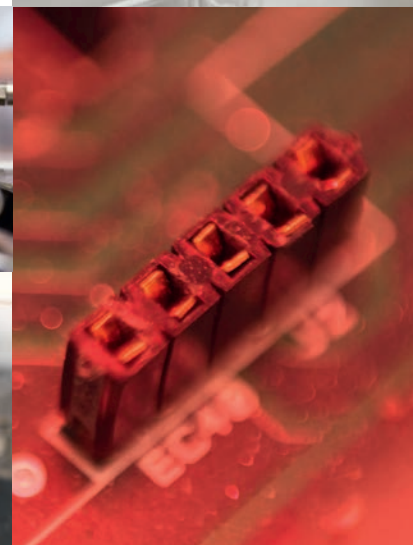
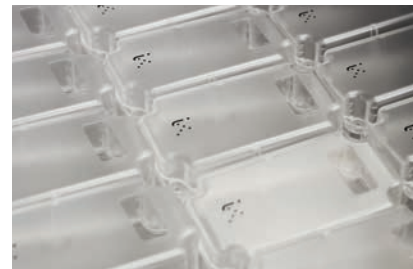


8 Valves and actuators



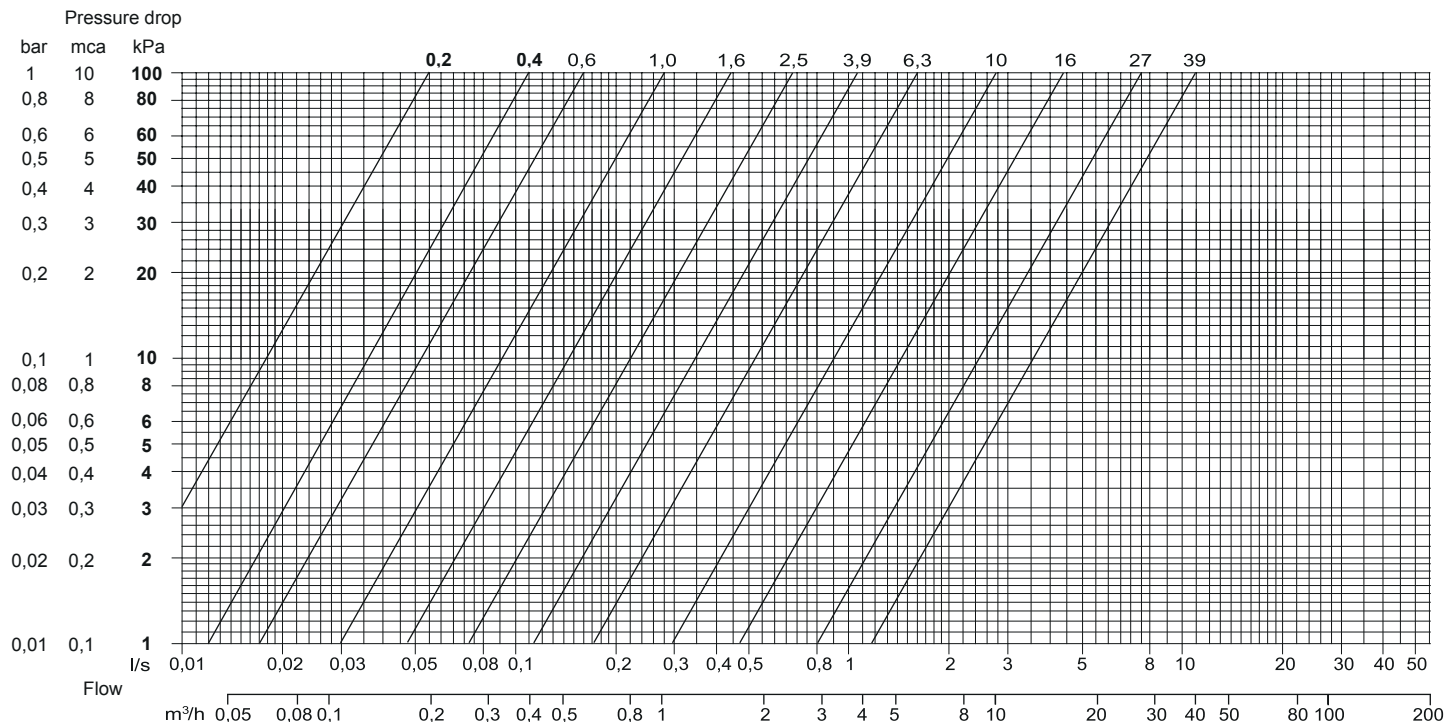


- x** Recommended choice
- ◆ Other possible alternative

ACTUATORS AND VALVE BODIES COUPLING

					SM	FCA	SEB	
					synchronous, spring return 24 V AC/230 V AC	synchronous, spring return 230 V AC	On/off (3-wire), 24/230 V AC 0...10 V, 24 V AC	
							4 Nm	5Nm
	DB-VZ	Internally threaded 2-, 3-way		DN 15–25	x			
	FCV	Internally threaded 2-, 3-way		DN 15–32		x		
	VFBV	Internally threaded 2-, 3-way	90°	DN 15–50			x	
				DN 32–50				x
	VFX2	Externally threaded 2-way	stroke 2.5 mm	DN 15–20				
	VFX3	Externally threaded 3-way						
	VFX4	Externally threaded 3-way, 4 port						
	VFPI VPIM VFPI	Pressure independent valves	stroke 2.7mm	DN 15–25				
	VFMD2 VFMD3	Externally threaded 2-, 3-way	stroke 5.5 mm	DN 15–40				
	VFTR2 VFTR3	Externally threaded 2-, 3-way	stroke 5.5 mm	DN 15–25				
	VFBF2 VFBF3	Internally threaded 2-, 3-way	stroke 20 mm	DN 15–50				
	VFG2 VFG2...N VFG3	Internally threaded 2-, 3-way	stroke 20 mm	DN 15–50				
	VFD2 VFD3	Externally threaded 2-, 3-way	stroke 20 mm	DN 15–50				
	VFFG2 VFFG3	Flanged, 2-way 3-way	stroke 20 mm	DN 25–40				
			stroke 20 mm	DN 50–65				
			stroke 40 mm	DN 80–200				
	VFL2 VFL3	Flanged, 2-way 3-way	stroke 20 mm	DN 65–80				
			stroke 40 mm	DN 100–150				
			stroke 20 mm	DN 65–80				
			stroke 40 mm	DN 100–150				
	VFDH	Flanged, 2-way	stroke 20 mm	DN 15–50				
			stroke 20 mm	DN 65–80				
			stroke 38 mm	DN 100				
			stroke 40 mm	DN 125–150				
	VF	2-way, butterfly valve		DN 32–80				

CALCULATION OF K_{vs} VALUE

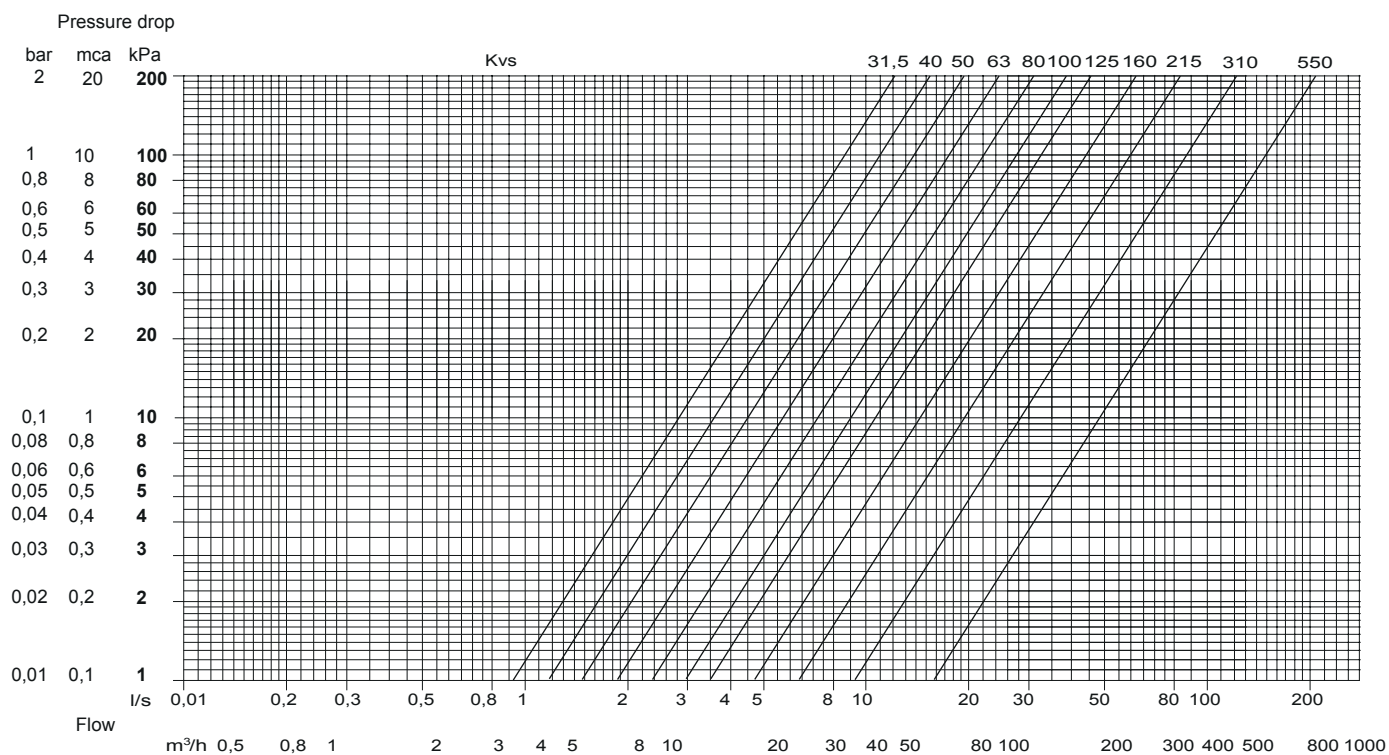


The **pressure drop diagram** allows the Calculation of K_{vs} for a regulation valve. It correlates the flow rate with the pressure drop. The axes use a logarithmic scale so that you can represent any of K_{vs} value with a straight line.

Example:

TO CHOOSE A K_{vs} VALUE FOR A VALVE HAVING A PRESSURE DROP OF 80 KPA AND A FLOW RATE OF 0,2 L/S:

- Draw a horizontal line corresponding to the pressure drop value (DP = 80 kPa)
- Draw a vertical line in correspondance of the flow rate value (0.2 l / s)
- Then draw a straight line from the intersection formed up to the nearest K_{vs} line
- Read the value of the corresponding K_{vs}
- Result: 1.0 K_{vs}



THERMAL ACTUATORS FOR MANIFOLDS AND VALVES

Thermal actuator to be used on manifolds

Technical data	
Sensor element	Special wax
Power consumption	3 VA
Ambient temperature	0...50 °C
Ambient humidity	10...90 % RH (non-condensing)
Storage temperature	-10...+60 °C Humidity: < 95 % RH
Peak current	SE1C24, SE1C24S < 0.25 A SE1C230, SE1C230S < 1 A
Auxiliary switch	3 A 230 V AC
Cable	PVC, section 2(4) x 0.50 mm ² , length 1 m
Connection, actuator	Metal ring M30 x 1.5
Material, casing	Matt polycarbonate, self extinguishing V0 - V1 according to UL94
Weight	150 g
Dimensions	Ø 48.5 x h 65 mm
Protection class	IP40 if mounted vertically: IP44 class II (SE1C230, SE1C230S) class III (SE1C24, SE1C24S)
Control signal	On/Off

Article	Supply voltage	Auxiliary switch	Stroke time
SE1C24	24 V AC ± 10%, 50/60 Hz	-	
SE1C230	230 V AC ± 10%, 50/60 Hz	-	
SE1C24S	24 V AC ± 10%, 50/60 Hz	X	
SE1C230S	230 V AC ± 10%, 50/60 Hz	X	



SE1C

ACCESSORIES

Article	Actuator	Description
ADVFX	SE1C...	Adapter for SE1C/VFX coupling up to Kvs 2.5 to allow the valve to be normally open on direct way
ADV11	SE22.../SE1C...	Adapter for valve with 2.7 mm stroke



Articles available in multipack /M: SE1C.../M (72 pcs.)

Adapters must be ordered separately.



ADVFX



ADV11

DB-VZ – ON/OFF ZONE VALVES

On/off control of heat or cool water flow. The valves must be combined with the SM actuator.



DB-VZ2-20

Technical data valve

Storage temperature	-20...+70 °C
Humidity	< 95 % RH
Media temperature	0...105 °C
Nominal pressure (PN)	16 bar
Weight	270...750 g

Material

Body	Forged brass
Stem	Stainless steel AISI 302
Packing	NBR

2-WAY VALVES

Article	Nominal diameter	Connection	Kvs	Max. diff. pressure
DB-VZ2-15	DN15	G 1/2"	1.6 m ³ /h	250 kPa (2,5 bar)
DB-VZ2-20	DN20	G 3/4"	3.5 m ³ /h	100 kPa (1 bar)
DB-VZ2-25	DN25	G 1"	5.5 m ³ /h	60 kPa (0,6 bar)

3-WAY VALVES

Article	Nominal diameter	Connection	Kvs	Max. diff. pressure
DB-VZ3-15	DN15	G 1/2"	1.6 m ³ /h	250 kPa (2,5 bar)
DB-VZ3-20	DN20	G 3/4"	3.5 m ³ /h	100 kPa (1 bar)
DB-VZ3-25	DN25	G 1"	5.5 m ³ /h	60 kPa (0,6 bar)

ACTUATOR FOR DB-VZ ON/OFF ZONE VALVES

Actuators with auxiliary microswitch for 2-way and 3-way DB-VZ valves.



SM24-CA

Technical data actuator

Power consumption	7 VA
Load	max. 3A, 125...250 V AC
Opening time	≤ 10 s
Closing time, spring	≤ 5 s
Ambient temperature	2...60 °C
Ambient humidity	10...90 % RH (non-condensing)
Material, casing base	Aluminium alloy casting
Material, casing cover	Fire-proof ABS
Dimensions	77 x 65 x 62 mm
Protection class	IP40
Isolation class	II

ACTUATORS

Article	Supply voltage	Auxiliary switch
SM230/CA	230 V AC ± 10%	X
SM24/CA	24 V AC ± 10%	X

PRESSURE INDEPENDENT CONTROL VALVES, DN15-32, 2.7/6 MM STROKE

Pressure independent control valves, DN15-25, 2.7 mm stroke. The valve is a combined differential pressure regulator, flow limiter and equal percentage control valve with full stroke and authority. The pressure independent control valves are suitable for constant or variable temperature systems and can be used as constant flow limiters in constant volume systems (with no actuators), or as pressure independent control valves in variable volume systems (with actuators).

The VFPIP / VFPI / VFPI valves DN15-25 are intended to be used together with ITK's SE1Cxxx or SEZ2xxx actuators.



Technical data	
Application	Heating/cooling systems, fan coil units, radiant cooling and ventilation
Pressure class	25 bar
Flow characteristics	Equal percentage
Rangeability	50 ~ 100 : 1
Max. diff. pressure	600 kPa
Stroke	2,7 mm
Media	Hot water, cold water, glycol-mixed water (max. 50 % glycol)
Max. leakage	0.01 % of maximum flow, Class IV IEC 60534-4
Media temperature	-10...+120 °C
Material	
Body	Brass CW602N (CZ121)
Plug parabol	Brass CW614N (CZ132)
Stem	Stainless steel
O-rings	EPDM
Pressure controller	EPDM, stainless steel and high resistance polymer

MODELS WITHOUT MEASURING PORT CONNECTORS

Article	Nominal diameter	Connec-tion	Max. flow rate	Max. start up pressure	Rangeability	Stroke	Actuator
VFPI15-150	DN15	G½"	150 l/h	20 kPa	50 ~ 100 : 1	2.7 mm	SE1C230, SE1C24, SEZ2F24/PT, SEZ2F230/PT, SEZ2M24-3.2/PT
VFPI15-600	DN15	G½"	600 l/h	25 kPa	50 ~ 100 : 1	2.7 mm	SE1C230, SE1C24, SEZ2F24/PT, SEZ2F230/PT, SEZ2M24-3.2/PT
VFPI15-900	DN15	G½"	900 l/h	30 kPa	50 ~ 100 : 1	2.7 mm	SE1C230, SE1C24, SEZ2F24/PT, SEZ2F230/PT, SEZ2M24-3.2/PT
VFPI20-600	DN20	G¾"	600 l/h	25 kPa	50 ~ 100 : 1	2.7 mm	SE1C230, SE1C24, SEZ2F24/PT, SEZ2F230/PT, SEZ2M24-3.2/PT
VFPI20-900	DN20	G¾"	900 l/h	30 kPa	50 ~ 100 : 1	2.7 mm	SE1C230, SE1C24, SEZ2F24/PT, SEZ2F230/PT, SEZ2M24-3.2/PT



The VFPI models are non-stock items.

MODELS WITHOUT MEASURING PORT, WITH MEASURING PORT CONNECTORS

Article	Nominal diameter	Connection	Max. flow rate	Max. start up pressure	Rangeability	Max. diff. pressure	Stroke	Actuator
VFPIP15-150	DN15	G1/2"	150 l/h	20 kPa	50 ~ 100 : 1	600 kPa	2.7 mm	SE1C230, SE1C24, SEZ2F24/PT, SEZ2F230/PT, SEZ2M24-3.2/PT
VFPIP15-600	DN15	G1/2"	600 l/h	25 kPa	50 ~ 100 : 1	600 kPa	2.7 mm	SE1C230, SE1C24, SEZ2F24/PT, SEZ2F230/PT, SEZ2M24-3.2/PT
VFPIP15-780	DN15	G1/2"	780 l/h	35 kPa	50 ~ 100 : 1	600 kPa	2.7 mm	SE1C230, SE1C24, SEZ2F24/PT, SEZ2F230/PT, SEZ2M24-3.2/PT
VFPIP20-1000	DN20	G3/4"	1000 l/h	30 kPa	50 ~ 100 : 1	600 kPa	2.7 mm	SE1C230, SE1C24, SEZ2F24/PT, SEZ2F230/PT, SEZ2M24-3.2/PT
VFPIP20-1500	DN20	G3/4"	1500 l/h	35 kPa	50 ~ 100 : 1	600 kPa	2.7 mm	SE1C230, SE1C24, SEZ2F24/PT, SEZ2F230/PT, SEZ2M24-3.2/PT
VFPIP25-1500	DN25	G1"	1500 l/h	35 kPa	50 ~ 100 : 1	600 kPa	2.7 mm	SE1C230, SE1C24, SEZ2F24/PT, SEZ2F230/PT, SEZ2M24-3.2/PT

MODELS WITH MEASURING PORTS

Article	Nominal diameter	Connection	Max. flow rate	Max. start up pressure	Rangeability	Stroke	Actuator
VFPI15-150	DN15	G1/2"	150 l/h	20 kPa	50 ~ 100 : 1	2.7 mm	SE1C230, SE1C24, SEZ2F24/PT, SEZ2F230/PT, SEZ2M24-3.2/PT
VFPI15-600	DN15	G1/2"	600 l/h	25 kPa	50 ~ 100 : 1	2.7 mm	SE1C230, SE1C24, SEZ2F24/PT, SEZ2F230/PT, SEZ2M24-3.2/PT
VFPI15-780	DN15	G1/2"	780 l/h	35 kPa	50 ~ 100 : 1	2.7 mm	SE1C230, SE1C24, SEZ2F24/PT, SEZ2F230/PT, SEZ2M24-3.2/PT
VFPI20-1000	DN20	G3/4"	1000 l/h	30 kPa	50 ~ 100 : 1	2.7 mm	SE1C230, SE1C24, SEZ2F24/PT, SEZ2F230/PT, SEZ2M24-3.2/PT
VFPI20-1500	DN20	G3/4"	1500 l/h	35 kPa	50 ~ 100 : 1	2.7 mm	SE1C230, SE1C24, SEZ2F24/PT, SEZ2F230/PT, SEZ2M24-3.2/PT
VFPI25-1500	DN25	G1"	1500 l/h	35 kPa	50 ~ 100 : 1	2.7 mm	SE1C230, SE1C24, SEZ2F24/PT, SEZ2F230/PT, SEZ2M24-3.2/PT

ACCESSORIES

Article	Actuator	Description
ADV11	SE1C...	Adapter for PIC valves 2.7 mm stroke
ADV12	SEZ2...	Adapter for PICV valves 2.7 mm stroke



ADV11



ADV12

VALVE ACTUATOR, 24 V OR 230 V SUPPLY VOLTAGE AND 0...10 V OR 2- POINT/3-POINT CONTROL

SEZ2 is a range of electromechanical valve actuators with 200N actuating force intended for control of Industrietechnik's valves VFX, and VFPI/VFPIP (DN15-32 with stroke 2.7 mm/6 mm) as well as for a wide range of other valves on the market.

The actuators can be operated manually with the manual override mechanism, using an Allen key, on the top.



Technical data

Stroke	1-8.5 mm
Running time	5.5 s / mm
Force	200 N
Visual position indicator	LED
Status and diagnostic indicator	LED
Manual override	By 4 mm Allen key
Ambient temperature	0...50 °C
Ambient humidity	95 % RH, non-condensing
Dimensions (WxHxL)	50 x 88 x 93 mm
Protection class	IP54
Cable length	1.5 m (halogen free)

Article	Control signal	Supply voltage	Power consumption	Inrush current
SEZ2M24	0(2)...10 V/4...20 mA	24 V AC/DC +/- 15%	≤ 6 VA	1.8 A
SEZ2F24	2- point/3-point, 3-wire	24 V AC/DC +/- 15%	≤ 6 VA	1.6 A
SEZ2F230	2- point/3-point, 3-wire	230 V AC/DC +/- 15%	≤ 6 VA	1.2 A

Article	Description
ADV12	Adapter for VFPI valves 2.7 mm stroke or 6 mm stroke
29214112001	Adapter, M28 to M30, for electromechanical actuator SEZ2

2- AND 3-WAY ON/OFF VALVES, DN15-32, KVS 3.2-10

Valves, DN15-32, kvs 3.2-10, intended for on/off control of hot or cold water in heating or cooling systems. The valves can only be used together with FCA actuators and are available as both 2- and 3-way models.

Technical data	
Application	Heating systems, cooling systems, fan-coil units, ventilation systems
Max. leakage	0 % of the kvs value
Media	Hot water, cold water, glycol-mixed water (max. 50 % glycol)
Media temperature	2...94 °C
Pressure rating	PN16 (240 psi)
Connection	Internal thread BSP according to ISO 228/1
Material	
Body	Brass CW614N
Ball	EPDM
O-rings	EPDM



FCV-2



FCV-3

2-WAY

Article	Nominal diameter	Connection	Kvs	Max. diff. pressure	Actuator
FCV-215	DN15	G1/2"	3.2 m ³ /h	200 kPa	FCA-2
FCV-220	DN20	G3/4"	4.6 m ³ /h	150 kPa	FCA-2
FCV-225	DN25	G1"	5.7 m ³ /h	100 kPa	FCA-2
FCV-232	DN32	G1 1/4"	10 m ³ /h	80 kPa	FCA-2

3-WAY

Article	Nominal diameter	Connection	Kvs	Max. diff. pressure	Actuator
FCV-315	DN15	G1/2"	3.2 m ³ /h	150 kPa	FCA-3
FCV-320	DN20	G3/4"	4.6 m ³ /h	100 kPa	FCA-3
FCV-325	DN25	G1"	5.7 m ³ /h	100 kPa	FCA-3
FCV-332	DN32	G1 1/4"	8.4 m ³ /h	80 kPa	FCA-3

ON/OFF VALVE ACTUATOR FOR ZFCM VALVES

Actuator intended for on/off control of hot or cold water in heating or cooling systems. The actuator has a synchronous motor and spring return mechanism. It is intended for use together with Regin's ZFCM valves.

Technical data	
Supply voltage	230 V AC, 50...60 Hz
Control signal	On/off
Power consumption	6 VA
Opening time	Approx. 15 s
Closing time, spring	4...5 s
Ambient temperature	0...60 °C
Storage temperature	-20...+65 °C
Material	ABS
Dimensions	91 x 68 x 65 mm
Protection class	IP44

Article	Valve
FCA-3	FCV-3
FCA-2	FCV-2



FCA-2

2-WAY, 3-WAY AND 3-WAY (BYPASS) ZONE VALVES DN15-20, KVS 0.25-6.0

Valves, DN15-50, kvs 0.6-63, for control of heating and cooling in fan coil or chilled beams applications. The valves are intended to be used together with the thermal SE1 actuators. They are available as 2- and 3-way versions, as well as bypass versions. The valves have linear flow characteristics.



VFX214



VFX237



VFX314



VFX337

Technical data

Pressure rating	PN16
Connection	BSP externally threaded according to ISO 228/1
Flow characteristics	Linear
Max. leakage	0 % of the kvs value
Media	Hot water, cold water, glycol-mixed water (max. 40 % glycol)
Media temperature	2...95 °C
Stroke	2.5 mm

Material

Body	Brass CW614N
Plug	PA + GF
Stem	PA + GF
Spring	Stainless steel
Packing box	PPO + GP
O-rings	FKM

2-WAY

Article	Nominal diameter	Connection	Kvs, A-AB	Kvs, B-AB	Max. diff. pressure	Actuator
VFX210	DN15	G1/2"	0.25 m ³ /h	- m ³ /h	250 kPa	SE1T / SE1M
VFX211	DN15	G1/2"	0.4 m ³ /h	- m ³ /h	250 kPa	SE1T / SE1M
VFX212	DN15	G1/2"	0.6 m ³ /h	- m ³ /h	250 kPa	SE1T / SE1M
VFX213	DN15	G1/2"	1.0 m ³ /h	- m ³ /h	250 kPa	SE1T / SE1M
VFX214	DN15	G1/2"	1.6 m ³ /h	- m ³ /h	250 kPa	SE1T / SE1M
VFX235	DN20	G3/4"	2.5 m ³ /h	- m ³ /h	250 kPa	SE1T / SE1M
VFX237	DN20	G3/4"	4.0 m ³ /h	- m ³ /h	80 kPa	SE1TP / SE1MP
VFX239	DN20	G3/4"	6.0 m ³ /h	- m ³ /h	80 kPa	SE1TP / SE1MP

3-WAY

Article	Nominal diameter	Connection	Kvs, A-AB	Kvs, B-AB	Max. diff. pressure	Actuator
VFX310	DN15	G1/2"	0.25 m ³ /h	0.25 m ³ /h	250 kPa	SE1T / SE1M
VFX311	DN15	G1/2"	0.4 m ³ /h	0.4 m ³ /h	250 kPa	SE1T / SE1M
VFX312	DN15	G1/2"	0.6 m ³ /h	0.6 m ³ /h	250 kPa	SE1T / SE1M
VFX313	DN15	G1/2"	1.0 m ³ /h	0.8 m ³ /h	250 kPa	SE1T / SE1M
VFX314	DN15	G1/2"	1.6 m ³ /h	1.0 m ³ /h	250 kPa	SE1T / SE1M
VFX335	DN20	G3/4"	2.5 m ³ /h	1.6 m ³ /h	250 kPa	SE1T / SE1M
VFX337	DN20	G3/4"	4.0 m ³ /h	2.5 m ³ /h	80 kPa	SE1TP / SE1MP
VFX339	DN20	G3/4"	6.0 m ³ /h	4.0 m ³ /h	80 kPa	SE1TP / SE1MP

3-WAY WITH BYPASS

Article	Nominal diameter	Connection	Kvs, A-AB	Kvs, B-AB	Max. diff. pressure	Actuator
VFX410	DN15	G1/2"	0.25 m ³ /h	0.25 m ³ /h	250 kPa	SE1T / SE1M
VFX411	DN15	G1/2"	0.4 m ³ /h	0.4 m ³ /h	250 kPa	SE1T / SE1M
VFX412	DN15	G1/2"	0.6 m ³ /h	0.6 m ³ /h	250 kPa	SE1T / SE1M
VFX413	DN15	G1/2"	1.0 m ³ /h	0.8 m ³ /h	250 kPa	SE1T / SE1M
VFX414	DN15	G1/2"	1.6 m ³ /h	1.0 m ³ /h	250 kPa	SE1T / SE1M
VFX435	DN20	G3/4"	2.5 m ³ /h	1.6 m ³ /h	250 kPa	SE1T / SE1M
VFX437	DN20	G3/4"	4.0 m ³ /h	2.5 m ³ /h	80 kPa	SE1TP / SE1MP
VFX439	DN20	G3/4"	6.0 m ³ /h	4.0 m ³ /h	80 kPa	SE1TP / SE1MP



VFX414



VFX437

ACCESSORIES

Article	Description
VTP	Override control
ADVFX	Adapter for SE1C/VFX coupling up to Kvs 2.5 to allow the valve to be normally open on direct way



Articles available in multipack /M: VFX21.../M (140 pcs.); VFX31.../M (120 pcs.); VFX 41.../M (100 pcs.); VFX235/M (136 pcs.) VFX335/M (120 pcs.); VFX435/M (80 pcs.)



ADVFX



VTP

THERMAL ACTUATORS 100/140 N, 2.5 MM STROKE

Thermal actuator with position indicator for control of valves in heating or cooling systems. The actuator can be used to control radiator circuits, solar heating systems, heating or cooling coils, floor heating etc. To be combined with the VFX range of valves.

Technical data

Stroke	2.5 mm
Ambient temperature	0...50 °C
Ambient humidity	10...90 % RH (non-condensing)
Storage temperature	-20...+70 °C
Storage humidity	< 95 % RH (non-condensing)
Closing/opening time	SE1T230, SE1TP230: 210 s / SE1T24, SE1TP24: 270 s
Peak current	24 V AC: < 0.25 A / 230 V AC: < 0.90 A
Auxiliary switch	250 V AC 3 A
Cable	PVC, section 2 x 0.50 mm ² , 2 m length
Connection	M30 x 1.5 metal ring
Material, casing	Matt polycarbonate, self extinguishing V0 - V1 according to UL94
Weight	200 g
Dimensions	Ø 40 x 61 mm
Protection class	IP40 (IP44 when vertically mounted)
Isolation class	II (SE1T230, SE1TP230) III (SE1T24, SE1TP24, SE1M24 e SE1MP24)



SE1T230



SE1T230S



SE1M24

Article	Force	Supply voltage	Control signal	Power consumption	Stroke time	Auxiliary switch
SE1T24	100 N	24 V AC ± 10 %, 50/60 Hz	On/Off	3.0 VA	4.5 min	-
SE1T24S	100 N	24 V AC ± 10 %, 50/60 Hz	On/Off	3.0 VA	4.5 min	X
SE1T230	100 N	230 V AC ± 10 %, 50/60 Hz	On/Off	3.0 VA	3.5 min	-
SE1TP24	140 N	24 V AC ± 10 %, 50/60 Hz	On/Off	3.0 VA	4.5 min	-
SE1TP24S	140 N	24 V AC ± 10 %, 50/60 Hz	On/Off	3.0 VA	4.5 min	X
SE1TP230	140 N	230 V AC ± 10 %, 50/60 Hz	On/Off	3.0 VA	3.5 min	X
SE1T230S	100 N	230 V AC ± 10 %, 50/60 Hz	On/Off	3.0 VA	3.5 min	X
SE1TP230S	140 N	230 V AC ± 10 %, 50/60 Hz	On/Off	3.0 VA	3.5 min	X
SE1MP24	140 N	24 V AC ± 10 %, 50/60 Hz	0...10 V DC	3.5 VA	3.5 min	-
SE1M24	100 N	24 V AC ± 10 %, 50/60 Hz	0...10 V DC	3.5 VA	4.5 min	-

2-WAY CONTROL VALVES, DN15-50, KVS 0.6-39, 20 MM STROKE

Valves, DN15-50, kvs 0.6-39, 20 mm stroke, designed for control of hot, cold or glycol-mixed water in heating and ventilation systems. They are pressure balanced (from DN20-50, not DN15) and can therefore handle high differential pressure with low force. The valves are intended to be used together with Industrietchnik's SE5... actuators. They should not be used in domestic water systems.



VFG2

Technical data	
Pressure rating	PN16
Connection	BSP internally threaded according to ISO 228/1
Flow characteristics	Equal percentage
Max. leakage	0 % of the Kvs value (PTFE gasket, carbon-filled 25 %, no leakage)
Max. diff. pressure	1600 kPa (16 bar)
Media	Hot water, cold water, glycol-mixed water (max. 50 % glycol)
Media temperature	-5...+140 °C
Rangeability	100:1
Stroke	20 mm
Material	
Body	Brass CW614N
Seat	Brass CW614N
Plug	Stainless steel 1.4301
Stem	Stainless steel 1.4305
Seat packing	PTFE with 25 % carbon
Packing box	Brass CW614N
O-rings	EPDM

MODELS

Article	Nominal diameter	Connection	Kvs	Actuator
VFG215-0,6	DN15	G½"	0.6 m³/h	SE5
VFG215-1,0	DN15	G½"	1.0 m³/h	SE5
VFG215-1,6	DN15	G½"	1.6 m³/h	SE5
VFG215-2,5	DN15	G½"	2.5 m³/h	SE5
VFG215-4,0	DN15	G½"	4.0 m³/h	SE5
VFG220-1,6	DN20	G¾"	1.6 m³/h	SE5
VFG220-2,7	DN20	G¾"	2.7 m³/h	SE5
VFG220-3,9	DN20	G¾"	3.9 m³/h	SE5
VFG220-6,3	DN20	G¾"	6.3 m³/h	SE5
VFG225-6,3	DN25	G1"	6.3 m³/h	SE5
VFG225-10	DN25	G1"	10 m³/h	SE5
VFG232-10	DN32	G1¼"	10 m³/h	SE5
VFG232-16	DN32	G1¼"	16 m³/h	SE5
VFG240-10	DN40	G1½"	10 m³/h	SE5
VFG240-16	DN40	G1½"	16 m³/h	SE5
VFG240-27	DN40	G1½"	27 m³/h	SE5
VFG250-27	DN50	G2"	27 m³/h	SE5
VFG250-39	DN50	G2"	39 m³/h	SE5

ACCESSORIES

Article		Description
IS02420001	IS02420001	Spare parts kit, O-ring kit for VFG2 valves from DN15 to DN25 (until 2018-12)
IS6321457301	IS6321457301	Spare parts kit, packing box, for VFG2 valves from DN32 to DN50 (until 2018-12) and FRS valves.
IS2921354201	IS2921354201	Spare parts kit, packing box, for VFG2 (from 2019-01), VFFG (DN25-40), VFBF.



IS02420001



IS6321457301



IS2921354201

VFG2...N/VFG3 – 2- AND 3-WAY EXTERNALLY THREADED CONTROL VALVES

Valves, DN15-50 kvs 0.63-39, 20 mm stroke, designed for control of hot, cold or glycol-mixed water in heating and ventilation systems. They also function very well in domestic water systems. The valves are intended for use together with SE5... actuators. Valves with DN32-50 may also be used with SE10..., if a larger actuating force is required.



VFG2...N



VFG3

Technical data

Pressure rating	PN16
Connection	BSP internally threaded according to ISO 228/1
Flow characteristics	Equal percentage
Max. leakage	0.1 % of Kvs
Media	Hot, cold, or glycol-mixed water (max. 50 % glycol)
Media temperature	-5...+150 °C
Rangeability	100:1
Stroke	20 mm

Material

Body	Gunmetal CC491K (RG5)
Seat	Gunmetal CC491K (RG5)
Plug	Gunmetal CC491K (RG5)
Stem	Stainless steel 1.4305
Packing box	Dezincification resistant brass CW511L
O-rings	Viton

2-WAY VALVES

Article	Nominal diameter	Kvs	Connection	ΔP_s (RVAN5)	ΔP_{max} (RVAN5)	ΔP_s (RVAN10)	ΔP_{max} (RVAN10)
VFG215N-0,63	DN15	0.63 m ³ /h	G½"	1600 kPa	700 kPa	1600 kPa	700 kPa
VFG215N-1,0	DN15	1.0 m ³ /h	G½"	1600 kPa	700 kPa	1600 kPa	700 kPa
VFG215N-1,6	DN15	1.6 m ³ /h	G½"	1600 kPa	700 kPa	1600 kPa	700 kPa
VFG215N-2,1	DN15	2.1 m ³ /h	G½"	1600 kPa	700 kPa	1600 kPa	700 kPa
VFG215N-2,7	DN15	2.7 m ³ /h	G½"	1600 kPa	700 kPa	1600 kPa	700 kPa
VFG220N-4,2	DN20	4.2 m ³ /h	G¾"	1000 kPa	600 kPa	1600 kPa	600 kPa
VFG220N-5,6	DN20	5.6 m ³ /h	G¾"	1000 kPa	600 kPa	1600 kPa	600 kPa
VFG225N-10	DN25	10 m ³ /h	G1"	600 kPa	500 kPa	1400 kPa	500 kPa
VFG232N-16	DN32	16 m ³ /h	G1¼"	400 kPa	400 kPa	800 kPa	450 kPa
VFG240N-27	DN40	27 m ³ /h	G1½"	300 kPa	300 kPa	600 kPa	400 kPa
VFG250N-39	DN50	39 m ³ /h	G2"	200 kPa	200 kPa	400 kPa	300 kPa

3-WAY

Article	Nominal diameter	Connection	Max. diff. pressure	Kvs	Actuator
VFG315-0,63	DN15	G½"	1600 kPa	0.63 m³/h	SE5
VFG315-1,0	DN15	G½"	1600 kPa	1.0 m³/h	SE5
VFG315-1,6	DN15	G½"	1600 kPa	1.6 m³/h	SE5
VFG315-2,1	DN15	G½"	1600 kPa	2.1 m³/h	SE5
VFG315-2,7	DN15	G½"	1600 kPa	2.7 m³/h	SE5
VFG320-4,2	DN20	G¾"	1600 kPa	4.2 m³/h	SE5
VFG320-5,6	DN20	G¾"	1600 kPa	5.6 m³/h	SE5
VFG325-10	DN25	G1"	1000 kPa	10 m³/h	SE5
VFG332-16	DN32	G1¼"	600 kPa	16 m³/h	SE5, SE10
VFG340-27	DN40	G1½"	400 kPa	27 m³/h	SE5, SE10
VFG350-39	DN50	G2"	250 kPa	39 m³/h	SE5, SE10

ACCESSORIES

Article	Description
IS0603080300	Spare parts kit, packing box for ETRS, MTVS and MTRS valves (until 2019-12), for ETVS valves (until 2021-04) and NTVS valves.
IS2921357901	Spare parts kit, packing box for ETRS, MTVS and MTRS valves (from 2020-01) and for ETVS valves (from 2021-05)



IS0603080300



IS2921357901

2-WAY CONTROL VALVES, DN15-50, KVS 0.25-40, 20 MM STROKE, DZR

2 way valves, DN15-50, kvs 0.25-40, 20 mm stroke. Designed for control of cold, hot or glycol-mixed water. For use in domestic water systems or district heating within the temperature range -5°C...+150°C. They are pressure balanced (from DN20-50, not DN15) and can therefore handle high differential pressure with low force. The valves are intended to be used together with SE5 actuators.



VFD2

Technical data	
Pressure rating	PN16
Connection	BSP externally threaded according to ISO 228/1; supplied with threaded connections
Flow characteristics	Equal percentage
Max. leakage	0.0 % of the Kvs value (PTFE gasket, carbon-filled 25 %, no leakage)
Media	Hot water, cold water, glycol-mixed water (max. 50 % glycol)
Media temperature	-5...+150 °C
Rangeability	100:1
Stroke	20 mm
Max. diff. pressure	1600 kPa
Material	
Body	Gunmetal CC491K (RG5)
Seat	Stainless steel 1.4301
Plug	Stainless steel 1.4305
Stem	Stainless steel 1.4305
Seat packing	PTFE with 25 % carbon
Packing box	Dezincification resistant brass CW511L
O-rings	EPDM
Material, connections	
Nut	Malleable cast iron, galvanized
Nipple	Dezincification resistant brass CW 511L
Fitting seal	Novatec Premium 2, Nitrile bonded aramid fibre with graphite

MODELS

Article	Nominal diameter	Kvs	Actuator
VFD215-0,25	DN15	0.25 m ³ /h	SE5
VFD215-0,4	DN15	0.4 m ³ /h	SE5
VFD215-0,63	DN15	0.63 m ³ /h	SE5
VFD215-1,0	DN15	1,0 m ³ /h	SE5
VFD215-1,25	DN15	1.25 m ³ /h	SE5
VFD215-1,6	DN15	1.6 m ³ /h	SE5
VFD215-2,5	DN15	2.5 m ³ /h	SE5
VFD215-4,0	DN15	4 m ³ /h	SE5
VFD220-5,0	DN20	5 m ³ /h	SE5
VFD220-6,3	DN20	6.3 m ³ /h	SE5
VFD225-8,0	DN25	8 m ³ /h	SE5
VFD225-10	DN25	10 m ³ /h	SE5
VFD232-12,5	DN32	12.5 m ³ /h	SE5
VFD232-16	DN32	16 m ³ /h	SE5
VFD240-20	DN40	20 m ³ /h	SE5
VFD240-25	DN40	25 m ³ /h	SE5
VFD250-31,5	DN50	31.5 m ³ /h	SE5
VFD250-40	DN50	40 m ³ /h	SE5

ACCESSORIES

Article	Description
IS0603080300	Spare parts kit, packing box for VFD3, VFG2 and VFG3 valves (until 2019-12) and for VFD2 (until 2021-04) and VFDH valves.
IS2921357901	Spare parts kit, packing box (from 2020-01)



IS0603080300



IS2921357901

3-WAY CONTROL VALVES DN15-50, KVS 0.63-40, 20 MM STROKE, DZR

Valves, DN15-50, kvs 0.63-40, 20 mm stroke, intended for control of cold, hot and glycol-mixed water in heating, ventilation and domestic water systems. The valves are intended to be used together with Industrietechnik's SE5... actuators. Valves with DN32-50 may also be used with SE10 if a larger actuating force is required.



VFD3

Technical data	
Pressure rating	PN16
Connection	BSP externally threaded according to ISO 228/1; supplied with threaded connections
Flow characteristics	Equal percentage
Max. leakage	0.1 % of the kvs value
Media	Hot, cold or glycol-mixed water (max. 50 % glycol)
Media temperature	-5...+150 °C
Rangeability	100:1
Stroke	20 mm
Material	
Body	Gunmetal CC491K (RG5)
Seat	Gunmetal CC491K (RG5)
Plug	Gunmetal CC491K (RG5)
Stem	Stainless steel 1.4305
Packing box	Dezincification resistant brass CW511L
O-rings	EPDM
Material, connections	
Nut	Malleable cast iron, galvanized
Nipple	Dezincification resistant brass CW 511L
Fitting seal	Novatec Premium 2, Nitrile bonded aramid fibre with graphite
Cover lid	Dezincification resistant brass CW 511L

MODELS

Article	Nominal diameter	Max. diff. pressure	Kvs	Actuator
VFD315-0,63	DN15	1600 kPa	0.63 m ³ /h	SE5
VFD315-1,25	DN15	1600 kPa	1.25 m ³ /h	SE5
VFD315-1,6	DN15	1600 kPa	1.6 m ³ /h	SE5
VFD315-2,5	DN15	1600 kPa	2.5 m ³ /h	SE5
VFD315-4,0	DN15	1600 kPa	4 m ³ /h	SE5
VFD320-5,0	DN20	1600 kPa	5 m ³ /h	SE5
VFD320-6,3	DN20	1600 kPa	6.3 m ³ /h	SE5
VFD325-8,0	DN25	1000 kPa	8 m ³ /h	SE5
VFD325-10	DN25	1000 kPa	10 m ³ /h	SE5
VFD332-12,5	DN32	600 kPa	12.5 m ³ /h	SE5
VFD332-16	DN32	600 kPa	16 m ³ /h	SE5, SE10
VFD340-20	DN40	400 kPa	20 m ³ /h	SE5, SE10
VFD340-25	DN40	400 kPa	25 m ³ /h	SE5, SE10
VFD350-31,5	DN50	250 kPa	31.5 m ³ /h	SE5, SE10
VFD350-40	DN50	250 kPa	40 m ³ /h	SE5, SE10

Article	Description
IS0603080300	Spare parts kit, packing box for VFD3, VFG2 and VFG3 valves (until 2019-12) and for VFD2 (until 2021-04) and VFDH valves.
IS2921357901	Spare parts kit, packing box (from 2020-01)



IS0603080300



IS2921357901

2- AND 3-WAY CONTROL VALVES, DN25-200, KVS 6.3-550, DIN-STANDARD

Control valves, DN25-200, kvs 6.3-550, DIN-standard, for use in heating, cooling and ventilation systems. They are intended to be used together with SE actuators. The valves have DIN-standard lengths.



VFFG2



VFFG3

Technical data	
Pressure rating	PN16
Connection	Flanged according to EN 1092-2
Flow characteristics	A - AB = equal percentage, B - AB = linear
Max. leakage	0 % of Kvs
Media	Hot water, cold water, glycol-mixed water (max. 50 % glycol)
Media temperature	-5...+120 °C
Rangeability	100:1 (DN50...200), > 50:1 (DN25...40)
Max. diff. pressure	If a smaller actuator than the suggested one is used, the max. differential pressure may be different. More information is available in the product sheet.
Material	
Body	Grey cast iron EN-JL1040/EN-GJL-250
Plug	Gunmetal 1400 LG2 (DN50...200), Brass CW614N (DN25...40)
Seat	Gunmetal 1400 LG2 (DN50...200), Cast iron Grade 250 (DN25...40)
Stem	Stainless steel 1.4305
Packing box	Brass CW614N
Bonnet	Brass CW614N
O-rings	EPDM
Packing	Aramid reinforced rubber

2-WAY VALVES

Article	Kvs	Nominal diameter	Max. diff. pressure	Actuator
VFFG225-6,3	6.3 m ³ /h	DN25	400 kPa	SE5, SE10
VFFG225-10	10 m ³ /h	DN25	400 kPa	SE5, SE10
VFFG232-10	10 m ³ /h	DN32	350 kPa	SE5, SE10
VFFG232-16	16 m ³ /h	DN32	350 kPa	SE5, SE10
VFFG240-16	16 m ³ /h	DN40	300 kPa	SE5, SE10
VFFG240-25	25 m ³ /h	DN40	300 kPa	SE5, SE10
VFFG250-31,5	31.5 m ³ /h	DN50	450 kPa	SE18
VFFG250-40	40 m ³ /h	DN50	450 kPa	SE18
VFFG265-50	50 m ³ /h	DN65	350 kPa	SE18
VFFG265-63	63 m ³ /h	DN65	350 kPa	SE18
VFFG280-80	80 m ³ /h	DN80	300 kPa	SE18
VFFG280-100	100 m ³ /h	DN80	300 kPa	SE18
VFFG2100-125	125 m ³ /h	DN100	200 kPa	SE18
VFFG2100-160	160 m ³ /h	DN100	200 kPa	SE18
VFFG2125-215	215 m ³ /h	DN125	120 kPa	SE25
VFFG2150-310	310 m ³ /h	DN150	100 kPa	SE25
VFFG2200-550	550 m ³ /h	DN200	200 kPa	SE25

3-WAY VALVES

Article	Kvs	Nominal diameter	Max. diff. pressure	Actuator
VFFG325-6,3	6.3 m ³ /h	DN25	400 kPa	SE5, SE10
VFFG325-10	10 m ³ /h	DN25	400 kPa	SE5, SE10
VFFG332-10	10 m ³ /h	DN32	350 kPa	SE5, SE10
VFFG332-16	16 m ³ /h	DN32	350 kPa	SE5, SE10
VFFG340-16	16 m ³ /h	DN40	300 kPa	SE5, SE10
VFFG340-25	25 m ³ /h	DN40	300 kPa	SE5, SE10
VFFG350-31,5	31.5 m ³ /h	DN50	450 kPa	SE18
VFFG350-40	40 m ³ /h	DN50	450 kPa	SE18
VFFG365-50	50 m ³ /h	DN65	350 kPa	SE18
VFFG365-63	63 m ³ /h	DN65	350 kPa	SE18
VFFG380-80	80 m ³ /h	DN80	300 kPa	SE18
VFFG380-100	100 m ³ /h	DN80	300 kPa	SE18
VFFG3100-125	125 m ³ /h	DN100	200 kPa	SE18
VFFG3100-160	160 m ³ /h	DN100	200 kPa	SE18
VFFG3125-215	215 m ³ /h	DN125	120 kPa	SE25
VFFG3150-310	310 m ³ /h	DN150	100 kPa	SE25
VFFG3200-550	550 m ³ /h	DN200	70 kPa	SE25

Article	Description
02133005	Washer for actuator, 3 mm thick with ø14 mm hole. For SE5 and SE10 on DN50-65-valves.
IS2921354201	Spare parts kit, packing box, for VFG2 (from 2019-01), VFFG (DN25-40), VFBF.
IS2921351201	Spare parts kit, packing box DN50-200



For the use of DN 50 and DN65 valves with the SE5 and SE10 actuators, accessory 02133005 is required (to be ordered separately).



02133005



IS2921354201



IS2921351201

VFL2/VFL3 – 2- AND 3-WAY DIN-STANDARD FLANGED VALVE

Control valves intended for use in heating, cooling and ventilation systems. They are intended to be used together with the SE 18, SE 25 actuators. The valves have DIN-standard lengths.



VFL2



VFL3

Technical data

Pressure rating	PN16
Connection	Flanged according to EN 1092-2
Flow characteristics	A → AB: 0-30 % open = linear, 30 - 100 % open = equal percentage B → AB: linear
Max. leakage	A - AB: DN65...DN80 = max 0.1 % of the kvs value, DN100...DN150 = max 0.2 % of the kvs value B - AB: Max 2 % of the kvs value
Media	Hot water, cold water, glycol-mixed water (max. 50 % glycol)
Media temperature	-5...+120 °C
Rangeability	100:1

Material

Body	Cast iron Grade 200
Seat	Cast iron Grade 200
Plug	Stainless steel 1.4301
Stem	Stainless steel 1.4301
Packing box	Brass CW 617N
Bonnet	Cast iron Grade 200
O-rings	EPDM
Packing	Aramid reinforced rubber

3-WAY VALVES

Article	Nominal diameter	Kvs	Stroke	Actuator
VFL265-52	DN65	52 m ³ /h	20 mm	SE18, SE25
VFL80-79	DN80	79 m ³ /h	20 mm	SE18, SE25
VFL2100-124	DN100	124 m ³ /h	40 mm	SE18, SE25
VFL2125-200	DN125	200 m ³ /h	40 mm	SE18, SE25
VFL2150-300	DN150	300 m ³ /h	40 mm	SE18, SE25
VFL365-52	DN65	52 m ³ /h	20 mm	SE18, SE25
VFL380-79	DN80	79 m ³ /h	20 mm	SE18, SE25
VFL3100-124	DN100	124 m ³ /h	40 mm	SE18, SE25
VFL3125-200	DN125	200 m ³ /h	40 mm	SE18, SE25
VFL3150-300	DN150	300 m ³ /h	40 mm	SE18, SE25



For the use of DN65 and DN80 valves with the SE18 and SE25 actuators, accessory 02133011 is required (to be ordered separately).



02133011

2-WAY CONTROL VALVES, DN15-150, KVS 0.4-310, DIN-STANDARD

Pressure balanced 2-way valve, DN15-150, kvs 0.4-310, DIN-standard. Intended for control of hot, cold or glycol-mixed water, ideal for district heating within the temperature range -5...+185°C. Intended for use with the SE5.../SE10.../SE18.../SE25... actuators.



VFDH

Technical data	
Pressure rating	PN16
Connection	Flanges according to EN 1092-2
Flow characteristics	Equal percentage
Max. leakage	0.0 % of the kvs value (PTFE gasket, carbon-filled 25 %, no leakage) / 0.05 % of kvs for NTVS...-...M models with metal packing
Media	Hot water, cold water, glycol-mixed water (max. 50 % glycol)
Media temperature	-5...+185 °C
Rangeability	100:1
Max. diff. pressure	1600 kPa
Material	
Body	Nodular cast iron (GJS) EN-JS1050
Seat	Stainless steel 1.4301 (DN15...DN100) or gunmetal CC491K (RG5) (DN125...DN150)
Plug	Stainless steel 1.4305 (DN15...DN100) or gunmetal CC491K (RG5) (DN125...DN150)
Stem	Stainless steel 1.4305
Lining	Stainless steel 1.4301
Seat packing, soft seal	PTFE with 25 % carbon
Seat packing, metal seal	Stainless steel 1.4057
Packing box	Dezincification resistant brass CW 602N, self-adjusting teflon
O-rings	Viton

MODELS

Article	Nominal diameter	Kvs	Stroke	Actuator
VFDH15-1,6	DN15	1.6 m ³ /h	20 mm	SE5
VFDH15-2,7	DN15	2.7 m ³ /h	20 mm	SE5
VFDH20-6,3	DN20	6.3 m ³ /h	20 mm	SE5
VFDH25-10	DN25	10 m ³ /h	20 mm	SE5
VFDH32-16	DN32	16 m ³ /h	20 mm	SE5
VFDH40-27	DN40	27 m ³ /h	20 mm	SE5
VFDH50-39	DN50	39 m ³ /h	20 mm	SE5
VFDH65-63	DN65	63 m ³ /h	20 mm	SE10
VFDH80-100	DN80	100 m ³ /h	20 mm	SE10
VFDH100-160	DN100	160 m ³ /h	38 mm	SE18
VFDH125-215	DN125	215 m ³ /h	40 mm	SE25
VFDH150-310	DN150	310 m ³ /h	40 mm	SE25

ACCESSORIES

Article	Description
IS0603080300	Spare parts kit, packing box for ETRS, MTRV and MTRV valves (until 2019-12), for ETRV valves (until 2021-04) and NTVS valves.



IS0603080300

2- AND 3-WAY CONTROL VALVES, DN15-50, KVS 0.63-40, 20 MM STROKE

Valves, DN15-50, kvs 0.63-40, 20 mm stroke, designed for control of hot, cold or glycol-mixed water in heating and ventilation systems. The valves are intended for use together with Industrietechnik's SE5.../SE10... actuators.



VFBF2



VFBF3

Technical data	
Application	Heating systems, cooling systems, ventilation systems
Pressure rating	PN16
Connection	BSP internally threaded according to ISO 228/1
Flow characteristics	A - AB = equal percentage, B - AB = linear
Max. leakage	0.1 % of Kvs
Media	Hot water, cold water, glycol-mixed water (max. 50 % glycol)
Media temperature	-5...+140 °C
Rangeability	100:1
Stroke	20 mm
Material	
Body	Brass CW614N
Seat	Brass CW614N
Plug	Brass CW614N
Stem	Stainless steel 1.4305
Packing box	Brass CW614N
O-rings	EPDM

2-WAY VALVES

Article	Nominal diameter	Kvs	Connection	Actuator	Max. diff. pressure (SE5...)	Max. diff. pressure (SE10...)
VFBF215-0.63	DN15	0.63 m ³ /h	G ½"	SE5, SE10	700 kPa	700 kPa
VFBF215-1.0	DN15	1.0 m ³ /h	G ½"	SE5, SE10	700 kPa	700 kPa
VFBF215-1.6	DN15	1.6 m ³ /h	G ½"	SE5, SE10	700 kPa	700 kPa
VFBF215-2.1	DN15	2.1 m ³ /h	G ½"	SE5, SE10	700 kPa	700 kPa
VFBF215-2.7	DN15	2.7 m ³ /h	G ½"	SE5, SE10	700 kPa	700 kPa
VFBF220-4.2	DN20	4.2 m ³ /h	G ¾"	SE5, SE10	600 kPa	600 kPa
VFBF220-5.6	DN20	5.6 m ³ /h	G ¾"	SE5, SE10	600 kPa	600 kPa
VFBF225-10	DN25	10 m ³ /h	G 1"	SE5, SE10	500 kPa	500 kPa
VFBF232-16	DN32	16 m ³ /h	G 1¼"	SE5, SE10	400 kPa	450 kPa
VFBF240-25	DN40	25 m ³ /h	G 1½"	SE5, SE10	300 kPa	400 kPa
VFBF250-40	DN50	40 m ³ /h	G 2"	SE5, SE10	200 kPa	300 kPa

3-WAY VALVES

Article	Nominal diameter	Kvs	Connection	Actuator	Max. diff. pressure (SE5...)	Max. diff. pressure (SE10...)
IS2921354201						
VFBF315-0.63	DN15	0.63 m ³ /h	G ½"	SE5, SE10	700 kPa	700 kPa
VFBF315-1.0	DN15	1.0 m ³ /h	G ½"	SE5, SE10	700 kPa	700 kPa
VFBF315-1.6	DN15	1.6 m ³ /h	G ½"	SE5, SE10	700 kPa	700 kPa
VFBF315-2.1	DN15	2.1 m ³ /h	G ½"	SE5, SE10	700 kPa	700 kPa
VFBF315-2.7	DN15	2.7 m ³ /h	G ½"	SE5, SE10	700 kPa	700 kPa
VFBF320-4.2	DN20	4.2 m ³ /h	G ¾"	SE5, SE10	600 kPa	600 kPa
VFBF320-5.6	DN20	5.6 m ³ /h	G ¾"	SE5, SE10	600 kPa	600 kPa
VFBF325-10	DN25	10 m ³ /h	G 1"	SE5, SE10	500 kPa	500 kPa
VFBF332-16	DN32	16 m ³ /h	G 1¼"	SE5, SE10	400 kPa	450 kPa
VFBF340-25	DN40	25 m ³ /h	G 1½"	SE5, SE10	300 kPa	400 kPa
VFBF350-40	DN50	40 m ³ /h	G 2"	SE5, SE10	200 kPa	300 kPa



IS2921354201

ACCESSORIES

Article	Description
IS2921354201	Spare parts kit, packing box, for BTV (from 2019-01), GF (DN25-40), BF

VALVE ACTUATOR, 24 V SUPPLY VOLTAGE AND 3-POINT CONTROL

Valve actuator for control of Industrietechnik's range of valves. Available in models with actuator force of 500, 1000, 1800 or 2500 N. The actuators can be operated manually with the manual override mechanism on the lid.

Technical data

Supply voltage	24 V AC
Control signal	3-point
Ambient temperature	0...50 °C
Storage temperature	-40...80 °C
Ambient humidity	10...90 % RH
Protection class	IP54

MODELS

Article	Max. power consumption	Force	Stroke	Stroke time
SE5F24	7.8 W / 8.0 VA	500 N	10...30 mm	3 s/mm
SE10F24	6.2 W / 6.7 VA	1000 N	10...30 mm	3 s/mm
SE18F24	10.9 W / 11.7 VA	1800 N	10...52 mm	3 s/mm
SE25F24	10.9 W / 11.7 VA	2500 N	10...52 mm	3 s/mm



SE5



SE10



SE18-SE25

VALVE ACTUATOR, 24 V SUPPLY VOLTAGE AND 0(2)...10 V DC CONTROL

Valve actuator with automatic stroke adjustment for control of Industrietechnik's range of valves. Available in models with actuator force of 500, 1000, 1800 or 2500 N. The actuators can be operated manually with the manual override mechanism on the lid.

Technical data

Supply voltage	24 V AC/DC
Control signal	0...10 V DC or 2...10 V DC (or 4...20 mA with a 500 Ω resistor connected)
Ambient temperature	0...50 °C
Storage temperature	-40...80 °C
Ambient humidity	10...90 % RH
Protection class	IP54

MODELS

Article	Max. power consumption	Force	Stroke	Stroke time
SE5M24	5.1 W / 13.9 VA	500 N	10...30 mm	1.5 s/mm
SE10M24	6.2 W / 17.4 VA	1000 N	10...30 mm	1.5 s/mm
SE18M24	8.6 W / 22.4 VA	1800 N	10...52 mm	3 s/mm
SE25M24	8.6 W / 22.4 VA	2500 N	10...52 mm	3 s/mm



SE5



SE10



SE18-SE25

VALVE ACTUATOR, 230 V SUPPLY VOLTAGE AND 3-POINT CONTROL

Valve actuator for control of Industrietechnik's range of valves. Available in models with actuator force of 500, 1000, 1800 or 2500 N. The actuators can be operated manually with the manual override mechanism on the lid.

Technical data

Supply voltage	230 V AC ±15 %, 50 Hz
Control signal	3-point
Power consumption	15.3 W / 16.5 VA
Ambient temperature	0...50 °C
Storage temperature	-40...+80 °C
Ambient humidity	10...90 % RH
Protection class	IP54

MODELS

Article	Max. power consumption	Force	Stroke	Stroke time
SE5F230	15.3 W / 16.5 VA	500 N	10...30 mm	3 s/mm
SE10F230	15.3 W / 16.5 VA	1000 N	10...30 mm	3 s/mm
SE18F230	15.3 W / 16.5 VA	1800 N	10...52 mm	3 s/mm
SE25F230	15.3 W / 16.5 VA	2500 N	10...52 mm	3 s/mm



SE5



SE10



SE18-SE25

2- AND 3-WAY CONTROL VALVES DN15-40, KVS 0.25-25, 5.5 MM STROKE

Externally threaded control valves, DN15-40, kvs 0.25-25, 5.5 mm stroke. Intended for use in heating and cooling systems together with the SEZ4... series of electromechanical actuators.

Technical data	
Application	Heating systems, cooling systems, fan-coil units, ventilation systems
Pressure rating	PN16
Connection	BSP externally threaded according to ISO 228/1
Flow characteristics	Linear
Max. leakage	0.0 % of kvs
Media	Hot water, cold water, glycol-mixed water (max. 50 % glycol)
Media temperature	2...110 °C
Rangeability	50:1
Stroke	5.5 mm
Material	
Body	Brass CW614N
Seat	Brass CW614N
Plug	Brass CW614N
Stem	Stainless steel 1.4305
Seat packing	EPDM
O-rings	EPDM
Material, connections	
Nut	Malleable cast iron, galvanized
Nipple	Dezincification resistant brass CW 602N (DN15-DN20), Malleable cast iron (DN25-DN40)
Fitting seal	Novatec Premium 2, Nitrile bonded aramid fibre with graphite
Cover lid	Dezincification resistant brass CW 602N



VFMD2



VFMD3

2-WAY VALVES

Article	Nominal diameter	Kvs	Max. diff. pressure	Actuator
VFMD215-0.25	DN15	0.25 m ³ /h	400 kPa	SEZ4
VFMD215-0.4	DN15	0.4 m ³ /h	400 kPa	SEZ4
VFMD215-0.6	DN15	0.6 m ³ /h	400 kPa	SEZ4
VFMD215-1.0	DN15	1.0 m ³ /h	400 kPa	SEZ4
VFMD215-1.6	DN15	1.6 m ³ /h	400 kPa	SEZ4
VFMD215-2.5	DN15	2.5 m ³ /h	400 kPa	SEZ4
VFMD215-4.0	DN15	4.0 m ³ /h	400 kPa	SEZ4
VFMD220-6.3	DN20	6.3 m ³ /h	350 kPa	SEZ4
VFMD225-10	DN25	10 m ³ /h	200 kPa	SEZ4
VFMD232-16	DN32	16 m ³ /h	130 kPa	SEZ4
VFMD240-25	DN40	25 m ³ /h	60 kPa	SEZ4

3-WAY VALVES

Article	Nominal diameter	Kvs	Max. diff. pressure	Actuator
VFMD315-0.25	DN15	0.25 m ³ /h	400 kPa	SEZ4
VFMD315-0.4	DN15	0.4 m ³ /h	400 kPa	SEZ4
VFMD315-0.6	DN15	0.6 m ³ /h	400 kPa	SEZ4
VFMD315-1.0	DN15	1.0 m ³ /h	400 kPa	SEZ4
VFMD315-1.6	DN15	1.6 m ³ /h	400 kPa	SEZ4
VFMD315-2.5	DN15	2.5 m ³ /h	400 kPa	SEZ4
VFMD315-4.0	DN15	4.0 m ³ /h	400 kPa	SEZ4
VFMD320-6.3	DN20	6.3 m ³ /h	350 kPa	SEZ4
VFMD325-10	DN25	10 m ³ /h	200 kPa	SEZ4
VFMD332-16	DN32	16 m ³ /h	130 kPa	SEZ4
VFMD340-25	DN40	25 m ³ /h	60 kPa	SEZ4

ACCESSORIES

Article	Description
2951352501	Hand wheel



2951352501

2- AND 3-WAY CONTROL VALVES DN15-25, KVS 0.25-7.0, 5.5 MM STROKE

Valves, DN15-25, kvs 0.25-7.0, 5.5 mm stroke, intended for control of hot and cold water in climate, heating and ventilation systems. They can also control glycol-mixed water in for example liquid connected recovery systems. Intended to be used together with the SEZ4 actuators.



VFTR2



VFTR3

Technical data

Pressure rating	PN16
Connection, actuator	M30 x 1.5
Connection	BSP externally threaded according to ISO 228/1
Flow characteristics	Equal percentage
Max. leakage	0 % of the kvs value
Media temperature	1...110 °C (the valve has a max. temperature of 140°C, the RVAZ4 actuators have a max. temperature of 110°C)
Media	Hot water, cold water, glycol-mixed water (max. 30 % glycol)
Rangeability	50:1
Stroke	5.5 mm

Material

Body	Brass CW614N
Seat	Brass CW614N
Plug	Brass CW614N
Stem	Stainless steel 1.4305
Seat packing	EPDM
O-rings	EPDM

2-WAY VALVES

Article	Nominal diameter	Kvs	Connection	Max. diff. pressure	Actuator
VFTR215-0.25	DN15	0.25 m ³ /h	G1/2"	350 kPa	SEZ4
VFTR215-0.4	DN15	0.4 m ³ /h	G1/2"	350 kPa	SEZ4
VFTR215-0.6	DN15	0.6 m ³ /h	G1/2"	350 kPa	SEZ4
VFTR215-1.0	DN15	1.0 m ³ /h	G1/2"	350 kPa	SEZ4
VFTR215-1.6	DN15	1.6 m ³ /h	G1/2"	350 kPa	SEZ4
VFTR220-2.0	DN20	2.0 m ³ /h	G3/4"	250 kPa	SEZ4
VFTR220-2.5	DN20	2.5 m ³ /h	G3/4"	250 kPa	SEZ4
VFTR220-4.0	DN20	4.0 m ³ /h	G3/4"	150 kPa	SEZ4
VFTR220-6.0	DN20	6.0 m ³ /h	G3/4"	150 kPa	SEZ4
VFTR225-7.0	DN25	7.0 m ³ /h	G1"	70 kPa	SEZ4

3-WAY VALVES

Article	Nominal diameter	Kvs	Connection	Max. diff. pressure	Actuator
VFTR315-0.25	DN15	0.25 m ³ /h	G1/2"	350 kPa	SEZ4
VFTR315-0.4	DN15	0.4 m ³ /h	G1/2"	350 kPa	SEZ4
VFTR315-0.6	DN15	0.6 m ³ /h	G1/2"	350 kPa	SEZ4
VFTR315-1.0	DN15	1.0 m ³ /h	G1/2"	350 kPa	SEZ4
VFTR315-1.6	DN15	1.6 m ³ /h	G1/2"	350 kPa	SEZ4
VFTR320-2.0	DN20	2.0 m ³ /h	G3/4"	250 kPa	SEZ4
VFTR320-2.5	DN20	2.5 m ³ /h	G3/4"	250 kPa	SEZ4
VFTR320-4.0	DN20	4.0 m ³ /h	G3/4"	100 kPa	SEZ4
VFTR320-6.0	DN20	6.0 m ³ /h	G3/4"	100 kPa	SEZ4
VFTR325-7.0	DN25	7.0 m ³ /h	G1"	70 kPa	SEZ4

VALVE ACTUATOR 400 N, 5.5 MM STROKE, 0...10 V OR 3-POSITION CONTROL

The SEZ4 series of valve actuators are easy to mount and have a clear position indication which shows the position of the actuator. The actuator has manual manoeuvring.



SEZ4

Technical data

Force	400 N
Stroke	5.5 mm
Ambient temperature	0...50 °C
Storage temperature	-10...+80 °C
Media temperature	1...110 °C
Ambient humidity	Max. 95 % RH
Protection class	IP44
Connection	M30 x 1.5

ACTUATORS FOR INDUSTRIE TECHNIK'S VALVE RANGES VFTR AND VFMD

Article	Supply voltage	Power consumption	Control signal	Stroke time
SEZ4F24	24 V AC ±15 %	0.6 W / 0.6 VA	3-point	150 s
SEZ4M24	24 V AC ±15 %, 24 V DC ±15 %	6 W / 6 VA	0...10 V DC	30 s
SEZ4F230	230 V AC ±15 %, 50/60 Hz	6 W / 6 VA	3-point	150 s

2- AND 3-WAY BALL VALVES, DN15-50, KVS 0.6-63

Ball valves, DN15-50, kvs 0.6-63, designed for control of hot, cold or glycol-mixed water in heating and ventilation systems. These ball valves can be used as either characterized control ball valves when a flow plate is installed in port A (default mode), or as on/off ball valves when the flow plate is removed. When the flow plate is removed the Kvs between port A and AB is increased. To be coupled to SEB4 / SEB5 actuators.

Technical data	
Application	Heating systems, cooling systems, ventilation systems
Pressure rating	PN40
Connection	BSP internally threaded according to ISO 228/1
Flow characteristics	A - AB = equal percentage (Flow plate installed), B - AB = linear, On/Off (No flow plate)
Max. leakage	0.0 % of the kvs value
Media	Hot water, cold water, glycol-mixed water (max. 50 % glycol)
Media temperature	-5...+140 °C
Rangeability	100:1
Material	
Body	Brass CW617N
Ball	Chromed brass CW614N
Seat	PTFE
Stem	Stainless steel 1.4305
Flow plate	POM
Circlips	Stainless steel 1.4310
O-rings	EPDM



VFBV2



VFBV3

2-WAY VALVES

Article	Nominal diameter	Kvs with flow plate installed in port A	Kvs (On/off, A-AB)	Actuator
VFBV215	DN15	0.6/1.0/1.6/2.5/4.0 m ³ /h	6.3 m ³ /h	RVAB4
VFBV220	DN20	6.3 m ³ /h	10 m ³ /h	RVAB4
VFBV225	DN25	10 m ³ /h	16 m ³ /h	RVAB4
VFBV232	DN32	16 m ³ /h	25 m ³ /h	RVAB5
VFBV240	DN40	25 m ³ /h	40 m ³ /h	RVAB5
VFBV250	DN50	40 m ³ /h	63 m ³ /h	RVAB5

3-WAY VALVES

Article	Nominal diameter	Kvs with flow plate installed in port A	Kvs (On/off, A-AB)	Kvs (On/off, B-AB)	Actuator
VFBV315	DN15	0.6/1.0/1.6/2.5/4.0 m ³ /h	6.3 m ³ /h	4 m ³ /h	RVAB4
VFBV320	DN20	6.3 m ³ /h	10 m ³ /h	6.3 m ³ /h	RVAB4
VFBV325	DN25	10 m ³ /h	16 m ³ /h	10 m ³ /h	RVAB4
VFBV332	DN32	16 m ³ /h	25 m ³ /h	16 m ³ /h	RVAB5
VFBV340	DN40	25 m ³ /h	40 m ³ /h	25 m ³ /h	RVAB5
VFBV350	DN50	40 m ³ /h	63 m ³ /h	40 m ³ /h	RVAB5

ACCESSORIES

Article	Description
VF-HL1	Hand lever for manual operation of ball valves



VF-HL1

BALL VALVE ACTUATOR FOR VFBV2 AND VFBV3 VALVES

Ball valve actuator with bi-directional motor mainly used in central air-conditioning systems, heating systems, water treatment, and production industry to control the flow of cold/hot media.



SEB

Technical data

Ambient temperature	-5...+50 °C
Storage temperature	-30...+70 °C
Ambient humidity	Max. 90 % RH (non-condensing)
Protection class	IP54
Working angle	90°
Connection, actuator	Square 9 mm hole with M5 screw

MODELS

Article	Supply voltage	Power consumption	Control signal	Torque	Running time, actuator	
SEB4F24	24 V AC	3 VA	Floating or On/off (3-wire)	≥ 4 Nm	45 s / 90°	SEB4F24
SEB4M24	24 V AC	4 VA	0(2)...10 V DC or 0(4)...20 mA	≥ 4 Nm	45 s / 90°	SEB4M24
SEB4F230	230 V ~	5 VA	Floating or On/off (3-wire)	≥ 4 Nm	45 s / 90°	SEB4F230
SEB5F24	24 V AC	3 VA	Floating or On/off (3-wire)	≥ 5 Nm	50 s / 90°	SEB5F24
SEB5M24	24 V AC	4 VA	0(2)...10 V DC or 0(4)...20 mA	≥ 5 Nm	50 s / 90°	SEB5M24
SEB5F230	230 V ~	5 VA	Floating or On/off (3-wire)	≥ 5 Nm	50 s / 90°	SEB5F230

BUTTERFLY VALVES

The VF series of butterfly valves are designed for use in LPW (low pressure water) heating and air conditioning systems.



VF

Technical data

Pressure rating	PN16
Media temperature	-15...+90 °C

Article	Nominal diameter	Kvs	Max. diff. pressure	Actuator
VF32	DN32	40 m³/h	1000 kPa / 10 bar	DAL... / DML24
VF40	DN40	50 m³/h	1000 kPa / 10 bar	DAL... / DML24
VF50	DN50	99 m³/h	800 kPa / 8 bar	DAL... / DML24
VF65	DN65	170 m³/h	600 kPa / 6 bar	DAL... / DML24
VF80	DN80	261 m³/h	600 kPa / 6 bar	DAG... / DMG24

ACCESSORY

Article	Description
KIT-VF32/80	Assembly kit for butterfly valves VF with electric actuator



KIT-VF32/80



The valves are supplied with the assembly kit model KIT-VF32/80.

ELECTRIC ACTUATORS FOR VF VALVES SERIES

Bi-directional actuators with manual override, 2 SPDT auxiliary switches, selectable rotation direction, IP44 or IP54 with cable glands.

Article	Torque	Running time, actuator	Supply voltage	Control signal	Auxiliary switch
DAL24S	24	125 s	24 V AC / DC	on/off or 3 point	2 x 3 (1.5) A / AC 230 V
DAL230S	24	125 s	230 V AC	on/off or 3 point	2 x 3 (1.5) A / AC 230 V
DML24S	24	125 s	24 V AC / DC	Y1: 0(2)...10 V DC Y2: 0(4)...20 mA U: 0(2)...10 V DC (feedback signal)	2 x 3 (1.5) A / AC 230 V
DAG24S	32	160 s	24 V AC / DC	on/off or 3 point	2 x 3 (1.5) A / AC 230 V
DAG230S	32	160 s	230 V AC	on/off or 3 point	2 x 3 (1.5) A / AC 230 V
DMG24S	32	240 s	24 V AC / DC	Y1: 0(2)...10 V DC Y2: 0(4)...20 mA U: 0(2)...10 V DC (feedback signal)	2 x 3 (1.5) A / AC 230 V



DAL-DML



DAG-DMG

Accessories

VALVE CONNECTIONS FOR COPPER TUBING

Nut and olive for VFTR2, VFTR3 and VFX



Article	Connection	Valve
1885136	1/2", K12	VFTR215, VFTR315, VFTR220, VFTR3
1886274	3/4", K15	VFTR220 (kvs 2.0-2.5), VFTR3 (kvs 2.0-2.5), VFX23x (kvs 2.5), VFX33x (kvs 2.5), VFX43x (kvs 2.5)
1884709	3/4", K18	VFTR220, VFTR3, VFX23x, VFX33x, VFX43x, VFPI20
1886282	1", K22	VFTR225, VFTR315

STEEL PIPE CONNECTION FOR VFX, VFTR2 AND VFTR3



Article	Description	Valve
OVC-Z15	Pipe connection	VTTV/VTTR/VTTB, ZTV/ZTR (DN15)
OVC-Z20	Pipe connection	VTTV/VTTR/VTTB, ZTV/ZTR, PCTVS (DN20)
OVC-Z25	Pipe connection	ZTV/ZTR (DN25)

VALVE STEM HEATER

Valve stem heater to be used in systems with media temperatures below 0 °C to prevent freezing and blockage from ice formation. Can be used with all valves when SExxxx-actuator is used.



Technical data	
Supply voltage	24 V AC (22...26 V AC, 50/60 Hz)
Power consumption	50 W
Media temperature	-10...0 °C
Ambient temperature	5...40 °C
Protection class	IP54
Cable length	0.6 m

MODELS

Article	Description
STEAMHEATER	Valve stem heater

ADAPTER KIT FOR ADAPTING REGIN'S ACTUATORS TO VALVES OF OTHER BRANDS

BELIMO

Valve	DN min.-max.	Stroke	Actuator	Adapter type
H4	15 - 50 mm	15 mm	SE5.../SE10...	OVA-015
H5	15 - 50 mm	15 mm	SE5.../SE10...	OVA-015
H6	15 - 50 mm	15 mm	SE5.../SE10...	OVA-015
H6	65 mm (kvs 58)	18 mm	SE10...	OVA-015
H7	15 - 50 mm	15 mm	SE5.../SE10...	OVA-015
H7	65 mm (kvs 58)	18 mm	SE10...	OVA-015
H7	80 mm (kvs 90)	18 mm	SE10...	OVA-015



OVA-015

CONTROLLI

Valve	DN min.-max.	Stroke	Actuator	Adapter type
VSB	15 - 50 mm	16,5 mm	SE5.../SE10...	OVA-141
VMB	15 - 50 mm	16,5 mm	SE5.../SE10...	OVA-141
VSX..PB	15 - 20 mm	2,5 mm	SE22...	N/A
VSX..PB	15 - 20 mm	5 mm	SE22...	N/A
VSX..PB	25 - 32 mm	5,5 mm	SE22...	N/A
VSXT..PB	15 - 20 mm	2,5 mm	SE22...	N/A
VSXT..PB	15 - 20 mm	5 mm	SE22...	N/A
VSXT..PB	25 - 32 mm	5,5 mm	SE22...	N/A
VSX	15 - 20 mm	2,5 mm	SE22...	N/A
VMX	15 - 20 mm	2,5 mm	SE22...	N/A
VTX	15 - 20 mm	2,5 mm	SE22...	N/A
VSXT	15 - 25 mm	5,5 mm	SE22...	N/A
VMXT	15 - 25 mm	5,5 mm	SE22...	N/A
VLX	15 - 25 mm	4 mm	SE22...	N/A



OVA-141



OVA-020

DANFOSS

Valve	DN min.-max.	Stroke	Actuator	Adapter type
(H)VF2/(H)VF3	15 - 50 mm	15 mm	SE5.../SE10...	OVA-020
(H)VL2/(H)VL3	15 - 50 mm	15 mm	SE5.../SE10...	OVA-020
(H)VRB2/(H)VRB3	15 mm	10 mm	SE5...	OVA-020
(H)VRB2/(H)VRB3	20 - 50 mm	15 mm	SE5.../SE10...	OVA-020
(H)VRG2/(H)VRG3	15 mm	10 mm	SE5...	OVA-020
(H)VRG2/(H)VRG3	20 - 50 mm	15 mm	SE5.../SE10...	OVA-020
(H)VFS2	15 - 25 mm	15 mm	SE5.../SE10...	OVA-020
VR2/VR3	15 - 25 mm	15 mm	SE5.../SE10...	OVA-020
AB-QM	10 - 20 mm	2,3 mm	SE22...	N/A
AB-QM	25 - 32 mm	4,5 mm	SE22...	N/A

ESBE

Valve	DN min.-max.	Stroke	Actuator	Adapter type
VLF125	15 - 50 mm	20 mm	SE5.../SE10...	OVA-131
VLF135	15 - 50 mm	20 mm	SE5.../SE10...	OVA-131
VLF335	65 - 80 mm	20 mm	SE18.../SE25...	OVA-F4
VLA121	15 - 50 mm	20 mm	SE5.../SE10...	OVA-131
VLA221	15 - 50 mm	20 mm	SE5.../SE10...	OVA-131
VLA131	15 - 50 mm	20 mm	SE5.../SE10...	OVA-131
VLA325	15 - 50 mm	20 mm	SE5.../SE10...	OVA-131
VLA325	65 mm	25 mm	SE5.../SE10...	OVA-131
VLB225	15 - 50 mm	20 mm	SE5.../SE10...	OVA-131
VLB225	65 - 150 mm	40 mm	SE18.../SE25...	OVA-F4
VLA335	15 - 50 mm	20 mm	SE5.../SE10...	OVA-131
VLA335	65 - 150 mm	40 mm	SE18.../SE25...	OVA-F4
VLB335	15-50 mm	20 mm	SE5.../SE10...	OVA-131
VLB335b	65 mm	25 mm	SE5.../SE10...	OVA-131
VLB335	65 mm	25 mm	SE18.../SE25...	OVA-031
VLB335	80-150 mm	45 mm	SE18.../SE25...	OVA-031
VL2FS	20-40 mm	20 mm	SE5.../SE10...	OVA-131
VLB125	65-150 mm	40 mm	SE18.../SE25...	OVA-031
VLB135	65-150 mm	40 mm	SE18.../SE25...	OVA-031
VLB235	15 - 50 mm	20 mm	SE5.../SE10...	OVA-131
VLB235	65 - 150 mm	40 mm	SE18.../SE25...	OVA-F4
VLA425	25 - 50 mm	20 mm	SE5.../SE10...	OVA-131
VLE122	15 - 50 mm	20 mm	SE5.../SE10...	OVA-131
VLE132	15 - 50 mm	20 mm	SE.../SE10...	OVA-131
VLE222	25 - 50 mm	20 mm	SE5.../SE10...	OVA-131
VLE325	20 - 40 mm	20 mm	SE5.../SE10...	OVA-131
VLC125	15 - 50 mm	20 mm	SE5.../SE10...	OVA-131
VLC225	25 - 50 mm	20 mm	SE5.../SE10...	OVA-131
VLC325	15 - 50 mm	20 mm	SE5.../SE10...	OVA-131
VLC425	25 - 50 mm	20 mm	SE5.../SE10...	OVA-131
VL2FC	15 - 50 mm	20 mm	SE5.../SE10...	OVA-131
VL3FC	15 - 50 mm	20 mm	SE5.../SE10...	OVA-131
VL2TA	15 - 50 mm	20 mm	SE5.../SE10...	OVA-131
VL2TAA	25 - 50 mm	20 mm	SE5.../SE10...	OVA-131
VL3TA	15 - 50 mm	20 mm	SE5.../SE10...	OVA-131
VL2FA	15 - 50 mm	20 mm	SE5.../SE10...	OVA-131
VL2FAA	25 - 50 mm	20 mm	SE5.../SE10...	OVA-131
VL3FA	15 - 50 mm	20 mm	SE5.../SE10...	OVA-131
VL2TB	15 - 50 mm	20 mm	SE5.../SE10...	OVA-131
VL2TBA	25 - 50 mm	20 mm	SE5.../SE10...	OVA-131
VL3TB	15 - 50 mm	20 mm	SE5.../SE10...	OVA-131
VL2FD	15 - 50 mm	20 mm	SE5.../SE10...	OVA-131
VL2FDA	25 - 50 mm	20 mm	SE5.../SE10...	OVA-131



OVA-131



OVA-F4

HONEYWELL

Valve	DN min.-max.	Stroke	Actuator	Adapter type
V5011R	15 - 50 mm	20 mm	SE5.../SE10...	OVA-011
V5013A	15 - 50 mm	20 mm	SE5.../SE10...	OVA-011
V5013F	15 - 50 mm	20 mm	SE5.../SE10...	OVA-011
V5013R	15 - 50 mm	20 mm	SE5.../SE10...	OVA-011
V5015A	100 - 150 mm	38 mm	SE18.../SE25...	OVA-013
V5329C	15 - 80 mm	20 mm	SE5.../SE10...	OVA-011
V5329A	15 - 80 mm	20 mm	SE5.../SE10...	OVA-011
V5016A	15 - 80 mm	20 mm	SE5.../SE10...	OVA-011
V5016A	100 - 150 mm	38 mm	SE18.../SE25...	OVA-013
V5025A	15 - 80 mm	20 mm	SE5.../SE10...	OVA-011
V5025A	100 - 150 mm	38 mm	SE18.../SE25...	OVA-013
V5049A	15 - 80 mm	20 mm	SE5.../SE10...	OVA-011
V5049A	100 - 150 mm	38 mm	SE18.../SE25...	OVA-013
V5050A	15 - 80 mm	20 mm	SE5.../SE10...	OVA-011
V5050A	100 - 150 mm	38 mm	SE18.../SE25...	OVA-013
V5328A	15 - 80 mm	20 mm	SE5.../SE10...	OVA-011
V176A	15 mm	20 mm	SE5.../SE10...	OVA-011
V176B	20 - 80 mm	20 mm	SE5.../SE10...	OVA-011
V176B	100 mm	38 mm	SE18.../SE25...	OVA-013
V538C6xxx	50 - 150 mm	27 - 40 mm	SE18.../SE25...	OVA-013
V538C3xxx	15 - 50 mm	20 mm	SE5.../SE10...	OVA-011
V5004TY Kombi-QM	15 - 25 mm	2,7 mm	SEZ2...	VA748X
V5004TY Kombi-QM	20 - 32 mm	6,0 mm	SEZ2...	VA748X
V186	15 mm	20 mm	SE5.../SE10...	OVA-011
V186	20 - 80 mm	20 mm	SE5.../SE10...	OVA-011
V186	100 mm	38 mm	SE18.../SE25...	OVA-013



OVA-011



OVA-013



VA748X

JOHNSON

Valve	DN min.-max.	Stroke	Actuator	Adapter type
VG7201/VG7203	25 - 32 mm	13 mm	SE5.../SE10...	OVA-J1
VG7201/VG7203	40 - 50 mm	19 mm	SE5.../SE10...	OVA-J1
VG7401/VG7403	25 - 32 mm	13 mm	SE5.../SE10...	OVA-J1
VG7401/VG7403	40 - 50 mm	19 mm	SE5.../SE10...	OVA-J1
VG7802/VG7804	25 - 32 mm	13 mm	SE5.../SE10...	OVA-J1
VG7802/VG7804	40 - 50 mm	19 mm	SE5.../SE10...	OVA-J1
BM-2xx2	15 - 50 mm	19 mm	SE5.../SE10...	OVA-J1
BM-2xx8	15 - 50 mm	19 mm	SE5.../SE10...	OVA-J1
VG6210	15 - 25 mm	2,5 mm	SE22...	N/A
VG6510	15 - 25 mm	2,5 mm	SE22...	N/A
VG6810	15 - 25 mm	2,5 mm	SE22...	N/A
V5210	10 - 20 mm	4 mm	SE22...	N/A
V5510	10 - 20 mm	3,7 mm	SE22...	N/A
V5810	10 - 20 mm	3,7 mm	SE22...	N/A
VP140	15 - 20 mm	3 mm	SE22...	VA748X
VP140	25 mm	6 mm	SE22...	VA748X



The OVA-J1 adapter applies to valves with a M28x1,5 neck and a 1/4" UNF-28 threaded stem.



OVA-J1



VA748X



OVA-A1

KIEBACK UND PETER

Valve	DN min.-max.	Stroke	Actuator	Adapter type
RF	15 - 50 mm	14 mm	SE5.../SE10...	OVA-A1
RF	65 - 100 mm	20 - 30 mm	SE18.../SE25...	OVA-A2
RK	15 - 50 mm	14 mm	SE5.../SE10...	OVA-A1
RK	65 - 100 mm	20 - 30 mm	SE18.../SE25...	OVA-A2



OVA-A2

L&G, L&S, SIEMENS VALVES

Valve	DN min.-max.	Stroke	Actuator	Adapter type
VFF31 (VARISHUNT)	65 mm	40 mm	SE18.../SE25...	OVA-031
VFF32 (VARISHUNT)	65 mm	40 mm	SE18.../SE25...	OVA-031
VFF33 (VARISHUNT)	65 mm	40 mm	SE18.../SE25...	OVA-031
VFF34 (VARISHUNT)	65 mm	40 mm	SE18.../SE25...	OVA-031
VFF35 (VARISHUNT)	65 mm	40 mm	SE18.../SE25...	OVA-031
VFF36 (VARISHUNT)	65 mm	40 mm	SE18.../SE25...	OVA-031
VFG31 (VARISHUNT)	25 - 40 mm	20 mm	SE5.../SE10...	OVA-134
VFG32 (VARISHUNT)	25 - 40 mm	20 mm	SE5.../SE10...	OVA-134
VFG33 (VARISHUNT)	25 - 40 mm	20 mm	SE5.../SE10...	OVA-134
VFG34 (VARISHUNT)	25 - 40 mm	20 mm	SE5.../SE10...	OVA-134
VFG35 (VARISHUNT)	25 - 40 mm	20 mm	SE5.../SE10...	OVA-134
VFG36 (VARISHUNT)	25 - 40 mm	20 mm	SE5.../SE10...	OVA-134
VPF52E	15 - 40 mm	20 mm	SE5.../SE10...	OVA-081
VPF52F	15 - 40 mm	20 mm	SE5.../SE10...	OVA-081
VPI46..	15 - 32 mm	2,5 / 4,5 / 5 mm	SE22	N/A
VPI46..Q	15 - 32 mm	2,5 / 4,5 / 5 mm	SE22	N/A
VPP46..	10 - 32 mm	2,5 / 4,5 / 5 mm	SE22	N/A
VQI46..	15 - 25 mm	4 mm	SE22	N/A
VQI46..Q	15 - 25 mm	4 mm	SE22	N/A
VQP46..	10 - 25 mm	4 mm	SE22	N/A
VQP46--Q	10 - 25 mm	4 mm	SE22	N/A
WVF21	15 - 80 mm	20 mm	SE5.../SE10...	OVA-081
WVF21	100 mm	40 mm	SE18.../SE25...	OVA-082
WVF22	25 - 80 mm	20 mm	SE5.../SE10...	OVA-081
WVF22	25 - 80 mm	20 mm	SE18.../SE25...	OVA-081 + 02133011
WVF22 (until 2015-10)	100 mm	40 mm	SE18.../SE25...	OVA-081 + 02133011
WVF22 (from 2015-10)	100 mm	40 mm	SE18.../SE25...	OVA-082
WVF31	25 - 80 mm	20 mm	SE5.../SE10...	OVA-081
WVF31	100 - 150 mm	40 mm	SE18.../SE25...	OVA-082
WVF32	15 - 80 mm	20 mm	SE5.../SE10...	OVA-081
WVF32	15 - 80 mm	20 mm	SE18.../SE25...	OVA-081 + 02133011
WVF32 (until 2015-10)	100 - 150 mm	40 mm	SE18.../SE25...	OVA-081 + 02133011
WVF32 (from 2015-10)	100 - 150 mm	40 mm	SE18.../SE25...	OVA-082
WVF40	15 - 80 mm	20 mm	SE5.../SE10...	OVA-081
WVF40	100 - 150 mm	40 mm	SE18.../SE25...	OVA-082
WVF41	50 - 150 mm	20/40 mm	SE18.../SE25...	OVA-082
WVF42	15 - 80 mm	20 mm	SE5.../SE10...	OVA-081
WVF42	15 - 80 mm	20 mm	SE18.../SE25...	OVA-081 + 02133011
WVF42 (until 2015-10)	100 - 150 mm	40 mm	SE18.../SE25...	OVA-081 + 02133011
WVF42 (from 2015-10)	100 - 150 mm	40 mm	SE18.../SE25...	OVA-082
WVF42...K	50 - 80 mm	20 mm	SE5.../SE10...	OVA-081
WVF42...K	50 - 80 mm	20 mm	SE18.../SE25...	OVA-081 + 02133011
WVF42...K	100 - 150 mm	40 mm	SE18.../SE25...	OVA-081 + 02133011
WVF43	65 - 250 mm	40 mm	SE18.../SE25...	OVA-081 + 02133011
WVF45	50 - 150 mm	20/40 mm	SE18.../SE25...	OVA-082
WVF51	15 - 40 mm	20 mm	SE5.../SE10...	OVA-081
WVF52	15 - 40 mm	20 mm	SE5.../SE10...	OVA-081
WVF53	15 - 80 mm	20 mm	SE5.../SE10...	OVA-081
WVF53	15 - 80 mm	20 mm	SE18.../SE25...	OVA-081 + 02133011
WVF53	100 - 150 mm	40 mm	SE18.../SE25...	OVA-081 + 02133011
WVF53...K	50 - 80 mm	20 mm	SE5.../SE10...	OVA-081



OVA-031



OVA-134



OVA-081



OVA-082



OVA-L1

Valve	DN min.-max.	Stroke	Actuator	Adapter type
VVF53...K	50 - 80 mm	20 mm	SE18.../SE25...	OVA-081 + 02133011
VVF53...K	100 - 150 mm	40 mm	SE18.../SE25...	OVA-081 + 02133011
VVF53...K	200 - 250 mm	40 mm	SE18.../SE25...	OVA-082
VVF61	15 - 25 mm	20 mm	SE5.../SE10...	OVA-081
VVF61	40 - 150 mm	20/40 mm	SE18.../SE25...	OVA-082
VVG11 (VARIVALVE)	15 mm	5,5 mm	SEZ4L1...	OVA-L1
VVG11	20 - 40 mm	20 mm	SE5.../SE10...	OVA-134
VVG12 (VARIVALVE)	25 - 40 mm	20 mm	SE5.../SE10...	OVA-134
VXF21	25 - 80 mm	20 mm	SE5.../SE10...	OVA-081
VXF21	100 mm	40 mm	SE18.../SE25...	OVA-082
VXF22	25 - 80 mm	20 mm	SE5.../SE10...	OVA-081
VXF22	25 - 80 mm	20 mm	SE18.../SE25...	OVA-081 + 02133011
VXF22 (until 2015-10)	100 mm	40 mm	SE18.../SE25...	OVA-081 + 02133011
VXF22 (from 2015-10)	100 mm	40 mm	SE18.../SE25...	OVA-082
VXF31	25 - 80 mm	20 mm	SE5.../SE10...	OVA-081
VXF31	100 - 150 mm	40 mm	SE18.../SE25...	OVA-082
VXF32	15 - 80 mm	20 mm	SE5.../SE10...	OVA-081
VXF32	15 - 80 mm	20 mm	SE18.../SE25...	OVA-081 + 02133011
VXF32 (until 2015-10)	100 - 150 mm	40 mm	SE18.../SE25...	OVA-081 + 02133011
VXF32 (from 2015-10)	100 - 150 mm	40 mm	SE18.../SE25...	OVA-082
VXF40	15 - 80 mm	20 mm	SE5.../SE10...	OVA-081
VXF40	100 - 150 mm	10 mm	SE18.../SE25...	OVA-082
VXF41	15 - 40 mm	20 mm	SE5.../SE10...	OVA-081
VXF41	50 - 150 mm	40 mm	SE18.../SE25...	OVA-082
VXF42	15 - 80 mm	20 mm	SE5.../SE10...	OVA-081
VXF42	15 - 80 mm	20 mm	SE18.../SE25...	OVA-081 + 02133011
VXF42 (until 2015-10)	100 - 150 mm	40 mm	SE18.../SE25...	OVA-081 + 02133011
VXF42 (from 2015-10)	100 - 150 mm	40 mm	SE18.../SE25...	OVA-082
VXF43	65 - 250 mm	40 mm	SE18.../SE25...	OVA-081 + 02133011
VXF53	15 - 80 mm	20 mm	SE5.../SE10...	OVA-081
VXF61	15 - 25 mm	20 mm	SE5.../SE10...	OVA-081
VXF61	40 - 150 mm	20/40 mm	SE18.../SE25...	OVA-082
VVG41	15 - 50 mm	20 mm	SE5.../SE10...	OVA-081
VXG11 (VARIVALVE)	15 mm	5,5 mm	SEZ4L1...	OVA-L1
VXG11	20 - 40 mm	20 mm	SE5.../SE10...	OVA-134
VXG12 (VARIVALVE)	25 - 40 mm	20 mm	SE5.../SE10...	OVA-134
VXG41	15 - 50 mm	20 mm	SE5.../SE10...	OVA-081
VXG44	15 - 50 mm	5,5 mm	SEZ4L1	OVA-L1
VVG44	15 - 40 mm	5,5 mm	SEZ4L1...	OVA-L1
VVG549	15 - 25 mm	5,5 mm	SEZ4L1...	OVA-L1
VVI52	15 mm	5,5 mm	SEZ4L1...	OVA-L1
VVG55	15 - 25 mm	5,5 mm	SEZ4L1...	OVA-L1
VVP45	10 - 40 mm	5,5 mm	SEZ4L1...	OVA-L1
VXP45	10 - 40 mm	5,5 mm	SEZ4L1...	OVA-L1
VMP43	15 - 20 mm	5,5 mm	SEZ4L1...	OVA-L1
VMP45	10 - 40 mm	5,5 mm	SEZ4L1...	OVA-L1
VVI46	15 - 25 mm	2,5 mm	SEZ2...	N/A
VXI46	15 - 25 mm	2,5 mm	SEZ2...	N/A
VVS46	15 - 25 mm	2,5 mm	SEZ2...	N/A
VXS46	15 - 25 mm	2,5 mm	SEZ2...	N/A
VVP47	10 - 20 mm	2,5 mm	SEZ2...	N/A
VXP47	10 - 20 mm	2,5 mm	SEZ2...	N/A
VMP47	10 - 20 mm	2,5 mm	SEZ2...	N/A

OVENTROP

Valve	DN min.-max.	Stroke	Actuator	Adapter type
Cocon 2TZ	15 - 20 mm	2,5 mm	SE2...	N/A
Cocon QTZ	10 - 32 mm	2,8 / 3,5 / 4 mm	SE2...	N/A
Tri-M Plus	15 mm	2,5 mm	SE2...	N/A



VA748X

PETTINAROLI

Valve	DN min.-max.	Stroke	Actuator	Adapter type
91-series	10 - 25 mm	2,7 mm	SE2...	VA748X
92-series	15 - 20 mm	3 mm	SE2...	VA748X
92-series	25 mm	6 mm	SE2...	VA748X
93-series	20 - 32 mm	6 mm	SE2...	VA748X



OVA-133

REGIN

Valve	DN min.-max.	Stroke	Actuator	Adapter type
VTTV/VTTR/VTTB	15 - 20 mm	2,5 mm	SE2...	N/A

SATCHWELL

Valve	DN min.-max.	Stroke	Actuator	Adapter type
SVB-XXX-F3	50 - 150 mm	23 - 40 mm	SE18.../SE25...	OVA-133
SVG-XXX-F3	50 - 150 mm	23 - 40 mm	SE18.../SE25...	OVA-133
SVR-XXX-F3	50 - 150 mm	23 - 40 mm	SE18.../SE25...	OVA-133
SVR-G2	15 - 50 mm	20 mm	SE5.../SE10...	OVA-132
SVR-G3	15 - 50 mm	20 mm	SE5.../SE10...	OVA-132
VZ, MVZ	15 - 50 mm	20 mm	SE5.../SE10...	OVA-132
VZF, MVZF	65 - 150 mm	27 - 40 mm	SE18.../SE25...	OVA-133



OVA-132

SAUTER

Valve	DN min.-max.	Stroke	Actuator	Adapter type
V6R	15 - 50 mm	14 mm	SE5.../SE10...	OVA-151
B6R	15 - 50 mm	14 mm	SE5.../SE10...	OVA-151
VXD	15 - 50 mm	14 mm	SE5.../SE10...	OVA-151
VXE	15 - 50 mm	14 mm	SE5.../SE10...	OVA-151
BXD	15 - 50 mm	14 mm	SE5.../SE10...	OVA-151
BXE	15 - 50 mm	14 mm	SE5.../SE10...	OVA-151
V6F	15 - 50 mm	14 mm	SE5.../SE10...	OVA-151
V6G	15 - 50 mm	14 mm	SE5.../SE10...	OVA-151
V6S	15 - 50 mm	14 mm	SE5.../SE10...	OVA-151
B6F	15 - 50 mm	14 mm	SE5.../SE10...	OVA-151
B6G	15 - 50 mm	14 mm	SE5.../SE10...	OVA-151
B6S	15 - 50 mm	14 mm	SE5.../SE10...	OVA-151
VUL	10 - 20 mm	4 mm	SE2...	N/A
BUL	10 - 20 mm	3,7 mm	SE2...	N/A
VUT	10 - 20 mm	3/4 mm	SE2...	N/A
BUT	10 - 20 mm	3 mm	SE2...	N/A
VXL	10 - 20 mm	2,5 mm	SE2...	N/A
BXL	25 - 40 mm	2,9 mm	SE2...	N/A
VCL	10 - 32 mm	2,8 / 3,5 / 4 mm	SE2...	N/A
VDL	15 - 20 mm	2,5 mm	SE2...	N/A
VDL	15 - 20 mm	5 mm	SE2...	N/A
VDL	25 - 32 mm	5,5 mm	SE2...	N/A



OVA-151

TAC + SCHNEIDER

Valve	DN min.-max.	Stroke	Actuator	Adapter type
STL	20 - 65 mm	31.5 mm	SE18...	OVA-031
STL-SR	20 - 65 mm	22 mm	SE5.../SE10...	OVA-131
V241	15 - 50 mm	20 mm	SE5.../SE10...	OVA-131
V341	15 - 50 mm	20 mm	SE5.../SE10...	OVA-131
V353	15 - 50 mm	20 mm	SE5.../SE10...	OVA-131
V231	15 - 50 mm	20 mm	SE5.../SE10...	OVA-131
V232	25 - 50 mm	20 mm	SE5.../SE10...	OVA-131
V298	20 - 40 mm	22 mm	SE5.../SE10...	OVA-131
V211	15 - 50 mm	20 mm	SE5.../SE10...	OVA-131
V211T	15 - 50 mm	20 mm	SE5.../SE10...	OVA-131
V282	20 - 32 mm	22 mm	SE5.../SE10...	OVA-131
V282	40 - 50 mm	31.5 mm	SE18...	OVA-031
V282	15 mm	15 mm	SE5...	OVA-231
VG211	15 - 50 mm	16.5/25 mm	SE5.../SE10...	OVA-131
VG221F	65 mm	25 mm	SE10...	OVA-131
VG221F	80 - 150 mm	45 mm	SE18.../SE25...	OVA-031
VG222	65 - 150 mm	25/45 mm	SE18.../SE25...	OVA-031
VG311F	65 mm	25 mm	SE10...	OVA-131
VG311F	65 - 150 mm	25/45 mm	SE18.../SE25...	OVA-031
VG321	65 - 150 mm	25 - 45 mm	SE18.../SE25...	OVA-031
VP228E	15 - 20 mm	2,25 mm	SE22...	N/A
VP229E	15 - 20 mm	4 mm	SE22...	N/A
VP229E	25 - 32 mm	4,5 mm	SE22...	N/A
V311	15 - 50 mm	20 mm	SE5.../SE10...	OVA-131
V311T	15 - 50 mm	20 mm	SE5.../SE10...	OVA-131
V212	25 - 50 mm	20 mm	SE5.../SE10...	OVA-131
V212T	25 - 50 mm	20 mm	SE5.../SE10...	OVA-131
V395	40 - 50 mm	20 mm	SE5.../SE10...	OVA-131
V395	65 - 100 mm	30/39.5 mm	SE18.../SE25...	OVA-031
V265	40 - 100 mm	31.5/40.9/50.3 mm	SE18.../SE25...	OVA-031
V221	65 - 100 mm	30/39.5 mm	SE18.../SE25...	OVA-031
V384	20 - 32 mm	22 mm	SE5.../SE10...	OVA-131
V384	40 - 50 mm	31.5 mm	SE18...	OVA-031
V384	15 mm	15 mm	SE5...	OVA-231
V386	20 - 32 mm	22 mm	SE5.../SE10...	OVA-131
V386	40 - 50 mm	31.5 mm	SE18...	OVA-031
V386	15 mm	15 mm	SE5...	OVA-231
V392	20 - 32 mm	22 mm	SE5.../SE10...	OVA-131
V392	40 - 50 mm	31.5 mm	SE18...	OVA-031
V392	15 mm	15 mm	SE5...	OVA-231
V394	20 - 50 mm	20 mm	SE5.../SE10...	OVA-131
V394	40 - 53 mm	31.5 mm	SE18...	OVA-031
V394	15 mm	15 mm	SE5...	OVA-231
V292	20 - 32 mm	22 mm	SE5.../SE10...	OVA-131
V292	40 - 100 mm	31.5/40.9/50.3 mm	SE18.../SE25...	OVA-031
V292	15 mm	15 mm	SE5...	OVA-231
V294	20 - 32 mm	22 mm	SE5.../SE10...	OVA-131
V294	15 mm	15 mm	SE5	OVA-231
V295	20 - 32 mm	22 mm	SE5.../SE10...	OVA-131
V295	40 - 100 mm	31.5/40.9/50.3 mm	SE18.../SE25...	OVA-031
V222	65 - 100 mm	30 mm	SE18...	OVA-031
V321	65 - 100 mm	30 mm	SE18...	OVA-031
VZ28/VZ28C	15 - 20 mm	2,5 mm	SE22...	N/A
VZ38/VZ38C	15 - 20 mm	2,5 mm	SE22...	N/A
VZ48/VZ48C	15 - 20 mm	2,5 mm	SE22...	N/A



OVA-031



OVA-131



OVA-231

WATTS INDUSTRIES

Valve	DN min.-max.	Stroke	Actuator	Adapter type
2131	15 - 25 mm	2,5 mm	SEZ2...	N/A
3131	15 - 25 mm	2,5 mm	SEZ2...	N/A
4131	15 - 25 mm	2,5 mm	SEZ2...	N/A
4131	15 - 32 mm	3 mm	SEZ2...	N/A

VIROLINE/VIR

Valve	DN min.-max.	Stroke	Actuator	Adapter type
9700	15 - 32 mm	3 mm	SEZ2...	N/A
9705	15 - 32 mm	3 mm	SEZ2...	N/A
9920	15 - 25 mm	3 mm	SEZ2...	N/A
9925	15 - 25 mm	3 mm	SEZ2...	N/A

MMA/PURMO

Valve	DN min.-max.	Stroke	Actuator	Adapter type
FVR	15 - 20 mm	1,7 mm	SEZ2...	29214112001
FVRe	15 - 20 mm	1,7 mm	SEZ2...	29214112001
FVV	15 - 20 mm	1,7 mm	SEZ2...	29214112001
FVAV	15 - 20 mm	1,7 mm	SEZ2...	29214112001
FVXR	10 - 15 mm	1,7 mm	SEZ2...	29214112001
VHR	15 - 25 mm	1,7 mm	SEZ2...	29214112001
Evoflow	15 - 20 mm	1,7 mm	SEZ2...	29214112001
TOV	15 - 20 mm	2,5 mm	SEZ2...	N/A
TOV	15 - 20 mm	5 mm	SEZ2...	N/A
TOV	25 - 32 mm	5,5 mm	SEZ2...	N/A



Most MMA / Purmo valves with thread M28 x 1.5 fit with SEZ2 together with adapter 29214112001

FRESE

Valve	DN min.-max.	Stroke	Actuator	Adapter type
Optima Compact	10 - 32 mm	2,5/5,0/5,5 mm	SEZ2...	N/A

BROEN

Valve	DN min.-max.	Stroke	Actuator	Adapter type
Ballorex dynamic	15 - 32 mm	3 mm	SEZ2...	N/A

CALEFFI

Valve	DN min.-max.	Stroke	Actuator	Adapter type
145-series	15 - 25 mm	4 mm	SEZ2...	N/A

CIMBERIO

Valve	DN min.-max.	Stroke	Actuator	Adapter type
Cim 716	10 - 32 mm	4 mm	SEZ2...	N/A
Cim 717	15 - 32 mm	4 mm	SEZ2...	N/A

IMI/TA HYDRONIC

Valve	DN min.-max.	Stroke	Actuator	Adapter type
KTM512	15 - 50 mm	10 mm	SE5...	OVA-171
TBV-C	15 - 20 mm	3,7 mm	SEZ2...	N/A
TBV-C	25 mm	4,4 mm	SEZ2...	N/A
TBV-CM	15 - 25 mm	4,3 mm	SEZ2...	N/A
TBV-CMP	15 - 25 mm	4,3 mm	SEZ2...	N/A
KTCM512	15 - 25 mm	4,3 mm	SEZ2...	N/A
TA-COMPACT-P	10 - 32 mm	4,2 mm	SEZ2...	N/A
TA-Modulator	15 - 20 mm	4 mm	SEZ2...	N/A
TA-Modulator	25 - 32 mm	6,5 mm	SEZ2...	N/A
Eclipse	10 - 20 mm	2,5 mm	SEZ2...	N/A
Calypso TRV-3	10 - 20 mm	2,5 mm	SEZ2...	N/A

CRANE

Valve	DN min.-max.	Stroke	Actuator	Adapter type
D995	15 - 32 mm	4 mm	SEZ2...	N/A

FLOWCON

Valve	DN min.-max.	Stroke	Actuator	Adapter type
V121G (M6 threaded stem)	15 - 25 mm	3,4 mm	SEZ2...	
V121G (M6 threaded stem)	15 - 25 mm	3,4 mm	SEZ2...	
V121G (M6 threaded stem)	25 - 32 mm	5,2 mm	SEZ2...	

TIGER CONTROLS

Valve	DN min.-max.	Stroke	Actuator	Adapter type
TD2V	15 - 25 mm	4 mm	SEZ2...	N/A

ALBION

Valve	DN min.-max.	Stroke	Actuator	Adapter type
ART20	15 - 32 mm	4 mm	SEZ2...	N/A

HERZ

Valve	DN min.-max.	Stroke	Actuator	Adapter type
4006	15 - 50 mm	4 mm	SEZ2...	N/A
4206	15 - 50 mm	4 mm	SEZ2...	N/A