FAN COIL VALVE BODIES - STROKE 2,5 mm

VFX

APPLICATION

VFX valves series are used in heating, cooling and air-conditioning system. Two-way and three-way VFX valves are normally closed on direct way. VFX valves are compact, reliable and can be easy mounted.

On request they can be supplied with plastic cap that ensures stem protection and manual action.
They can be used with SE1 electrothermal actuators.

TYPE	WAY	CONNECTION	KVs m³/h		MAX DIFF. PRESS. bar
			DIRECT WAY	ANGLE WAY	
VFX210	2	G 1/2	0.25	-	2.5
VFX211	2	G 1/2	0.4	-	2.5
VFX212	2	G 1/2	0.6	-	2.5
VFX213	2	G 1/2	1.0	-	2.5
VFX214	2	G 1/2	1.6	-	2.5
VFX235	2	G 3/4	2.5	-	2.5
VFX237	2	G 3/4	4.0	-	2.5
VFX239	2	G 3/4	6.0	-	2.5
VFX310	3	G 1/2	0.25	0.25	2.5
VFX311	3	G 1/2	0.4	0.4	2.5
VFX312	3	G 1/2	0.6	0.6	2.5
VFX313	3	G 1/2	1.0	0.8	2.5
VFX314	3	G 1/2	1.6	1.0	2.5
VFX335	3	G 3/4	2.5	1.6	2.5
VFX337	3	G 3/4	4.0	2.5	2.5
VFX339	3	G 3/4	6.0	4.0	2.5
VFX410	3 (4 port)	G 1/2	0.25	0.25	2.5
VFX411	3 (4 port)	G 1/2	0.4	0.4	2.5
VFX412	3 (4 port)	G 1/2	0.6	0.6	2.5
VFX413	3 (4 port)	G 1/2	1.0	0.8	2.5
VFX414	3 (4 port)	G 1/2	1.6	1.0	2.5
VFX435	3 (4 port)	G 3/4	2.5	1.6	2.5
VFX437	3 (4 port)	G 3/4	4.0	2.5	2.5
VFX439	3 (4 port)	G 3/4	6.0	4.0	2.5

TECHNICAL FEATURES

Nominal pressure: PN16
Stroke: 2,5 mm
Regulation mode: linear
Leakage: perfect sealing
Valve body: forged brass
Stem: PA + GF
Stem gland seal: "O" ring FKM
Plug spring: stainless steel
Flow guide: PPO + GP
Plug: PA + GF

Fluids: water with max. 40% of glycol
Fluid temperature: +2...+95 °C
Actuator: electrothermal SE1 series
Dimensions: see next page
Weight: see schedule on next page

Accessory: manual control VTP

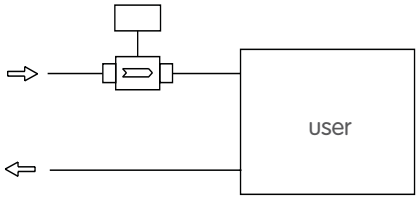
FEATURES AND ADVANTAGES

- Connection between actuator and valve by threaded male M30x1.5 ring nut
- Threaded connection GAS with smooth beat
- Silent operating
- Reliability

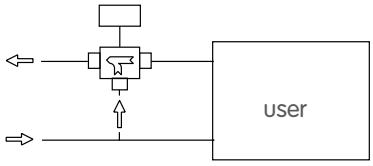
INSTALLATION

Before mounting the valve body be sure that the pipes are clean and free of soldering scraps. Pipes must be lined up squarely with the valve at each connection and free of vibrations. Install the valve/actuator vertically or horizontaly but never upside down. Leave enough clearance to facilitate the dismounting of actuator from the valve body for maintenance purpose.

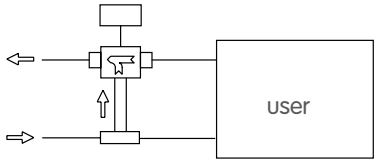
Valve must not be subjected to water or steam jets or dripping liquid. 3-way valve must be used in mixing way (2 inlets 1 output). If the valve is used in diverting way (1 inlet 2 outputs), the max differential pressure allowed is one third of the value indicated in the schedule.



2-way valve

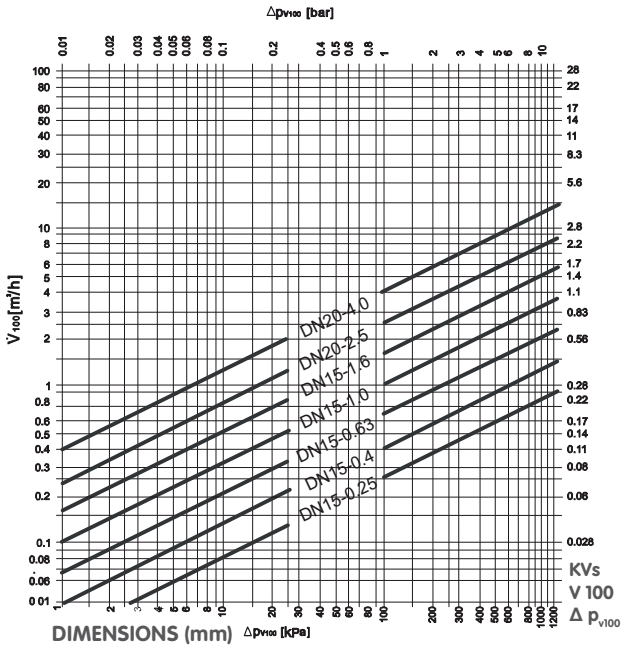


3-way valve



3-way valve with 4 ports

PRESSURE DROP CHART



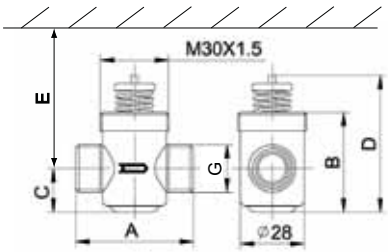
DIMENSIONS (mm)

TYPE	DIMENSIONS (mm)					WEIGHT (g)
	G	A	B	C	D	
VFX210-214	G 1/2	52	46	20	62	110
VFX235	G 3/4	56	46	22	62	120
VFX237	G 3/4	78	59	35	75	420
VFX239	G 3/4	78	59	35	75	420
VFX310-314	G 1/2	52	52	26	68	116
VFX335	G 3/4	56	57	32	73	144
VFX337	G 3/4	78	70	45	86	430
VFX339	G 3/4	78	70	45	86	430
VFX410-414	G 1/2	52	70	35	86	164
VFX435	G 3/4	56	88	50	104	228
VFX437	G 3/4	78	82	44	98	520
VFX439	G 3/4	78	82	44	98	520

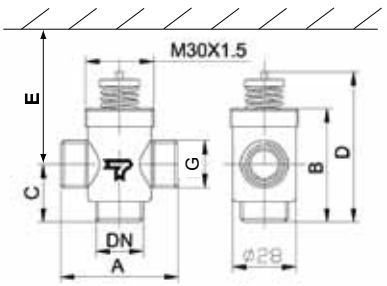
manual control VTP

nominal flow coefficient
evaluated flow coefficient at Δp_{v100}
differential pressure of valve completely open

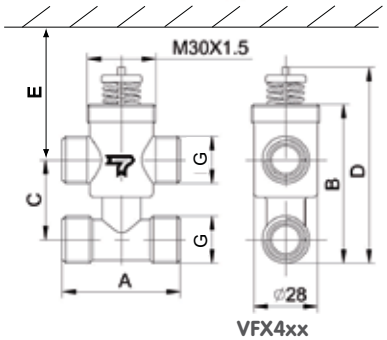
E >= 130 mm



VFX2xx



VFX3xx



VFX4xx