

MOTORIZED VALVES

ELECTROTHERMAL ACTUATORS FOR MANIFOLDS

SEIC



TYPE	FORCE N	POWER SUPPLY Vac 50/60 Hz	ACTION	POWER CONSUMPTION VA	CHARACTERISTICS
SEIC24	90	24	On-Off	3.0	running time 210 sec., stroke 3.5 mm, wax sensible element, M30 connector, 1 m cable, IP44
SEIC230	90	230	On-Off	3.0	
SEIC24S	90	24	On-Off	3.0	
SEIC230S	90	230	On-Off	3.0	
Accessory	ADVFX adapter for SEIC/VFX coupling up to KVS 2,5 to allow the valve to be normally open on direct way				

S with 1 auxiliary microswitch 230 Vac, 3A

ZONE VALVES FOR ELECTRIC ACTUATORS SM SERIES

DB-VZ



TYPE	CONNECTION	KVS m³/h	MAX. DIFF. PRESS. bar	CHARACTERISTICS
2 WAYS				body in brass PN 16, female connection, normally closed on direct way, max. fluid temp. +2...+94°C
DB-VZ2-15	G 1/2	1.5	2.5	
DB-VZ2-20	G 3/4	2.5	1.0	
DB-VZ2-25	G 1	4.8	0.6	
3 WAYS				
DB-VZ3-15	G 1/2	1.5	2.5	
DB-VZ3-20	G 3/4	2.5	1.5	
DB-VZ3-25	G 1	4.8	0.6	

ELECTRIC ACTUATORS FOR DB-VZ VALVES SERIES

SM



TYPE	AUX. SWITCH	POWER SUPPLY Vac	FREQUENCY Hz	POWER CONSUMP. VA	CHARACTERISTICS
SM24/CA	•	24	50/60	7	running time approx. 10 sec. electrically operating, 5 sec. by spring return
SM24/SA		24	50/60	7	
SM230/CA	•	230	50/60	7	
SM230/SA		230	50/60	7	



TYPE	WAYS	CON- NEC- TION	KVS m³/h		MAX. DIFF. PRESS. bar	CHARACTERI- STICS
			DIRECT WAY	ANGLE WAY		
VFX210	2	G 1/2	0.25	-	2.5	body in forged brass PN 16, male thread connection, stroke 2.5 mm, normally closed on direct way, perfect sealing, max. fluid temperature +2...+95°C
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	-	1.5	
VFX239*	2	G 3/4	6.0	-	1.5	
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	1.5	
VFX339*	3	G 3/4	6.0	4.0	1.5	
VFX410	3 (4 attacchi)	G 1/2	0.25	0.25	2.5	
VFX411	3 (4 attacchi)	G 1/2	0.4	0.4	2.5	
VFX412	3 (4 attacchi)	G 1/2	0.6	0.6	2.5	
VFX413	3 (4 attacchi)	G 1/2	1.0	0.8	2.5	
VFX414	3 (4 attacchi)	G 1/2	1.6	1.0	2.5	
VFX435	3 (4 attacchi)	G 3/4	2.5	1.6	2.5	
VFX437*	3 (4 attacchi)	G 3/4	4.0	2.5	1.5	
VFX439*	3 (4 attacchi)	G 3/4	6.0	4.0	1.5	
Accessory	VTP manual control					
	ADVFX adapter for SEIC/VFX coupling up to KVS 2,5 to allow the valve to be normally open on direct way					

* 140 N actuator needed for "SEITP..."



TYPE	FORCE N	POWER SUPPLY Vac 50/60 Hz	ACTION	POWER CON- SUMP. VA	CHARACTERISTICS
SEIT24	100	24	On-Off	3.0	running time 210 sec, stroke 2.5 mm,
SEIT230	100	230	On-Off	3.0	
SEIT24S	100	24	On-Off	3.0	
SEIT230S	100	230	On-Off	3.0	
SEITP24	140	24	On-Off	3.0	
SEITP230	140	230	On-Off	3.0	



TYPE	FORCE	POWER SUPPLY Vac 50/60 Hz	ACTION	POWER CON-SUMP.	CHARACTERISTICS
	N			VA	
SEITP24S	140	24	On-Off	3.0	wax sensible element, M30 connector, 2 m cable, IP44
SEITP230S	140	230	On-Off	3.0	
SEIM24	100	24	proportional 0...10 Vdc	3.5	
SEIMP24	140	24	proportional 0...10 Vdc	3.5	

S with 1 auxiliary microswitch, only for models SEIT and SEITP (On-Off)

THREADED FAN COIL VALVES FOR ELECTRIC ACTUATORS SE2 SERIES

VFT



TYPE	WAYS	CON-NEC-TION	KVS m³/h		MAX. DIFF. PRESS. bar	CHARACTERISTICS	
			DIRECT WAY	ANGLE WAY			
VFT210	2	G 1/2	0.25	-	2.5	body in brass PN 16, male thread connection, stroke 4.5 mm, normally closed on direct way, perfect sealing, max. fluid temperature +2...+95°C	
VFT211	2	G 1/2	0.4	-	2.5		
VFT212	2	G 1/2	0.6	-	2.5		
VFT213	2	G 1/2	1.0	-	2.5		
VFT214	2	G 1/2	1.6	-	2.5		
VFT215	2	G 1/2	2.5	-	2.5		
VFT235	2	G 3/4	2.5	-	2.5		
VFT237	2	G 3/4	4.0	-	1.5		
VFT239	2	G 3/4	6.0	-	1.5		
VFT310	3	G 1/2	0.25	0.25	2.5		
VFT311	3	G 1/2	0.4	0.4	2.5		
VFT312	3	G 1/2	0.6	0.6	2.5		
VFT313	3	G 1/2	1.0	0.8	2.5		
VFT314	3	G 1/2	1.6	1.0	2.5		
VFT315	3	G 1/2	2.5	1.6	2.5		
VFT335	3	G 3/4	2.5	1.6	2.5		
VFT337	3	G 3/4	4.0	2.5	1.5		
VFT339	3	G 3/4	6.0	4.0	1.5		
VFT410	3 (4 attacchi)	G 1/2	0.25	0.25	2.5		
VFT411	3 (4 attacchi)	G 1/2	0.4	0.4	2.5		
VFT412	3 (4 attacchi)	G 1/2	0.6	0.6	2.5		
VFT413	3 (4 attacchi)	G 1/2	1.0	0.8	2.5		
VFT414	3 (4 attacchi)	G 1/2	1.6	1.0	2.5		
VFT415	3 (4 attacchi)	G 1/2	2.5	1.6	2.5		
VFT435	3 (4 attacchi)	G 3/4	2.5	1.6	2.5		
VFT437	3 (4 attacchi)	G 3/4	4.0	2.5	1.5		
VFT439	3 (4 attacchi)	G 3/4	6.0	4.0	1.5		
Accessory	VTP manual control						





TYPE	FORCE N	POWER SUPPLY Vac 50/60 Hz	ACTION	POWER CONSUMP. VA	CHARACTERISTICS
SE2F24	200	24	On-Off, 3 point	5.5	running time about 81 sec., stroke 4,5 mm, M30 connector, 1,5 m cable, IP54
SE2F230	200	230	On-Off, 3 point	5.5	
SE2M24	200	24	proportional 0...10 Vdc	5.5	

THREADED GLOBE VALVES, STROKE 5,5 MM FOR ELECTRIC ACTUATORS SE4 SERIES



TYPE		CON- NECTION	KVS m³/h	MAX. DIFF. PRESS. bar *	CHARACTERISTICS
2 WAYS	3 WAYS				
VFZ210	VFZ310	G 1/2	0.25	2.5 (10.0)	cast iron G25 body, PN 16, female connection, brass plug, stainless steel stem, stroke 5,5 mm, fluid temp. -10...+120°C, glycol max 50% control flow charact. linear, leakage: direct way perfect sealing, angle way 0,2% on KVs value, mixing or diverting
VFZ211	VFZ311	G 1/2	0.4	2.5 (10.0)	
VFZ212	VFZ312	G 1/2	0.63	2.5 (10.0)	
VFZ213	VFZ313	G 1/2	1.0	2.5 (10.0)	
VFZ214	VFZ314	G 1/2	1.6	2.5 (10.0)	
VFZ215	VFZ315	G 1/2	2.5	2.5 (10.0)	
VFZ218	VFZ318	G 3/4	4.0	2.0 (5.0)	
VFZ220	VFZ320	G 3/4	6.3	2.0 (5.0)	
VFZ225	VFZ325	G 1	10.0	2.0 (2.5)	
VFZ232	VFZ332	G 1 1/4	13.0	2.0 (2.5)	
VFZ240	VFZ340	G 1 1/2	18.0	2.0 (2.0)	

* **dPmax** the values inside brackets are the max. differential pressure when the valve is fully closed
the values out of brackets are the suggested max. pressure drop (valve fully open)

ELECTRIC ACTUATORS FOR VFZ VALVES SERIES



TYPE	FORCE N	POWER SUPPLY Vac 50/60 Hz	ACTION	POWER CON- SUMP. VA	CHARACTERISTICS
SE4F24	400	24	On-Off, 3 point	4.5	running time about 70 sec, stroke 5,5 mm, 3/4 connector, 1,5 m cable, manual override, IP54
SE4F230	400	230	On-Off, 3 point	4.5	
SE4M24	400	24	proportional, 0...10 Vdc 4...20 mA	4.5	

M30 model with M30x1.5 ring connection instead of 3/4"



TYPE		CON- NEC- TION	KVS m³/h	MAX. DIFF. PRESS. bar *	CHARACTERISTICS		
2 WAYS	3 WAYS						
VFS215	VFS315	G 1/2	2.5	2.2 (11.0)	cast iron G25 body, PN 16, female connection, brass plug, stainless steel stem, stroke 16,5 mm, fluid temp. -10...+130°C, glycol max 50% control flow charact. equal-percentage/linear, leakage: direct way perfect sealing, angle way 0,2% on KVs value, mixing or diverting		
VFS218	VFS318	G 3/4	4.0	2.2 (11.0)			
VFS220	VFS320	G 3/4	6.3	2.2 (11.0)			
VFS225	VFS325	G 1	10.0	2.2 (7.0)			
VFS232	VFS332	G 1 1/4	16.0	2.2 (4.4)			
VFS240	VFS340	G 1 1/2	25.0	2.2 (2.7)			
VFS250	VFS350	G 2	40.0	2.2 (2.2)			
VFS252	VFS352	G 2	30.0	2.2 (2.2)			



TYPE		DN mm	KVS m³/h	MAX. DIFF. PRESS. bar *	CHARACTERISTICS		
2 WAYS	3 WAYS						
VFSF215	VFSF315	15	2.5	2.2 (11.0)	cast iron G25 body, PN 16, female connection, brass plug, stainless steel stem, stroke 16,5 mm, fluid temp. -10...+130°C, glycol max 50% control flow charact. equal-percentage/linear, leakage: direct way 0...0,05 on KVs value, angle way 0...1% on KVs value, mixing or diverting		
VFSF220	VFSF320	20	6.3	2.2 (11.0)			
VFSF225	VFSF325	25	10.0	2.2 (7.0)			
VFSF232	VFSF332	32	16.0	2.2 (4.4)			
VFSF240	VFSF340	40	25.0	2.2 (2.7)			
VFSF250	VFSF350	50	40.0	2.2 (2.2)			

* **dPmax** the values inside brackets are the max. differential pressure when the valve is fully closed the values out of brackets are the suggested max. pressure drop (valve fully open)



TYPE		DN mm	KVS m³/h	MAX. DIFF. PRESS. bar *	CHARACTERISTICS		
2 WAYS	3 WAYS						
VFF265	VFF365	65	63	1.5 (1.8)	cast iron G25 body, PN16, stroke 16,5 mm, fluid temp. - 10...+130 °C, glycol max 50% control flow charact. equal-percentage/linear, leakage: direct way 0...0,05 on KVs value, angle way 0...1% on KVs value, mixing or diverting		

* **dPmax** the values inside brackets are the max. differential pressure when the valve is fully closed the values out of brackets are the suggested max. pressure drop (valve fully open)





TYPE	FORCE N	POWER SUPPLY Vac 50/60 Hz	ACTION	POWER CONSUMP. VA	CHARACTERISTICS	
SE6F24	600	24	On-Off, 3 point	4.5	running time about 70 sec., stroke 16,5 mm, manual override, self-adjusting, position indicator, IP 54	
SE6F24S	600	24	On-Off, 3 point	4.5		
SE6F230	600	230	On-Off, 3 point	4.5		
SE6F230S	600	230	On-Off, 3 point	4.5		
SE6M24	600	24	proportional, 0...10 Vdc 4-20 mA	4.5		
Accessory	ADV1 - adapter for valves Industrietechnik series 2S e 3S ADV2 - adapter for valves Industrietechnik series 2S- e 3S ADV3 - adapter for valves Controlli series VMB/VSB					

S 2 microinterruttori 230 Vac 3A (escluso il modello SE6M24)

FLANGED GLOBE VALVES FOR ELECTRIC ACTUATORS DB-DA71

VFF/2F/3F



TYPE		DN	KVS	STROKE mm	MAX. DIFF. PRESS. bar *	CHARACTERISTICS	
2 WAYS	3 WAYS	mm	m³/h				
VFF280	VFF380	80	100	41	2.0 (6.0)	body in cast iron G25, PN 16, stainless steel stem, fluid temp. -10...+130°C, glycol max 50%, control flow charact. equal-percentage/linear leakage: direct way 0...0,05% on KVs on valve, angle way 0...1% on KVs on valve, mixing or diverting	
VFF2100	VFF3100	100	145	41	2.0 (4.0)		
2F-125	3F-125	125	220	41	2.0 (3.0)		
2F-150	3F-150	150	320	41	2.0 (3.0)		
2F-200	3F-200	200	550	42	1.0 (2.0)		

* dPmax the values inside brackets are the max. differential pressure when the valve is fully closed
the values out of brackets are the suggested max. pressure drop (valve fully open)



TYPE	FORCE N	POWER SUPPLY Vac	ACTION	POWER CON- SUMP. VA	CHARACTERISTICS	
DB-DA71F	2500	24	2 / 3 point (floating)	10	stroke time: 50 Hz: 4.6 sec/min, 60 Hz: 3.8 sec/min, manual override, IP 40	
DB-DA71M	2500	24	0...10 Vdc 4...20 mA	12		
AMV5	Coupling valve actuator					

BUTTERFLY VALVES FOR ELECTRIC ACTUATORS DA/DM SERIES

VF



TYPE	DN mm	KVS m³/h	MAX. DIFF. PRESS. bar	ACTUATOR	CHARACTERISTICS	
VF32	32	40	12	DAL..	cast iron body, PN 16, stainless steel shaft, nodular iron butterfly, fluid temperature -15...+90 °C, manual override, adaptor for direct mounting on actuator	
VF40	40	50	12	DAL..		
VF50	50	99	10	DAL..		
VF65	65	170	8	DAL..		
VF80	80	261	8	DAG..		

ELECTRIC ACTUATORS FOR VF VALVES SERIES



TYPE	TORQUE Nm	TIMING sec.	POWER SUPPLY Vac	ACTION	CHARACTERISTICS	
DAL24S	24	125	24	2 / 3 point	bi-directional actuator, manual override, 2 SPDT auxiliary switches adjusta- ble, direction of rotation selectable, IP55	
DAL230S	24	125	230	2 / 3 point		
DML24	24	125	24	0...10 Vdc 4...20 mA		
DAG24S	32	140	24	2 / 3 point		
DAG230S	32	140	230	2 / 3 point		
DMG24	32	140	24	0...10 Vdc 4...20 mA		

DAMPER ACTUATORS

DAMPER ACTUATORS

TYPE	TORQUE Nm	DAMPER AREA mq	RUNNING TIME sec.	POWER SUPPLY	AUX. SWITCHES	ACTION		
						floating	proportional Vdc	proportional mA
DAK24	2	0.5	25...35	24 Vac/dc		2-3 p.		
DAK24S	2	0.5	25...35	24 Vac/dc	•	2-3 p.		
DAK230	2	0.5	25...35	230 Vac		2-3 p.		
DAK230S	2	0.5	25...35	230 Vac	•	2-3 p.		
DMK24	2	0.5	80...110	24 Vac/dc			0...10	
DAN24	4	1	35	24 Vac/dc		2-3 p.		
DAN24S	4	1	35	24 Vac/dc	•	2-3 p.		
DAN230	4	1	35	230 Vac		2-3 p.		
DAN230S	4	1	35	230 Vac	•	2-3 p.		
DMN24	4	1	35	24 Vac/dc			0 (2)...10	
DAS24	8	2	30	24 Vac/dc		2-3 p.		
DAS24S	8	2	30	24 Vac/dc	•	2-3 p.		
DAS230	8	2	30	230 Vac		2-3 p.		
DAS230S	8	2	30	230 Vac	•	2-3 p.		
DMS24	8	2	30	24 Vac/dc			0(2)...10	0(4)...20
DMS24S	8	2	30	24 Vac/dc	•		0(2)...10	0(4)...20
DMS230	8	2	30	230 Vac			0(2)...10	
DMS230S	8	2	30	230 Vac	•		0(2)...10	
DA24	16	4	80	24 Vac/dc		2-3 p.		
DA24S	16	4	80	24 Vac/dc	•	2-3 p.		
DA230	16	4	80	230 Vac		2-3 p.		
DA230S	16	4	80	230 Vac	•	2-3 p.		
DM24	16	4	80	24 Vac/dc			0(2)...10	0(4)...20
DM24S	16	4	80	24 Vac/dc	•		0(2)...10	0(4)...20
DM230	16	4	80	230 Vac			0(2)...10	
DM230S	16	4	80	230 Vac	•		0(2)...10	
DAL24	24	6	125	24 Vac/dc		2-3 p.		
DAL24S	24	6	125	24 Vac/dc	•	2-3 p.		
DAL230	24	6	125	230 Vac		2-3 p.		
DAL230S	24	6	125	230 Vac	•	2-3 p.		
DML24	24	6	125	24 Vac/dc			0(2)...10	0(4)...20
DML24S	24	6	125	24 Vac/dc	•		0(2)...10	0(4)...20
DML230	24	6	125	230 Vac			0(2)...10	
DML230S	24	6	125	230 Vac	•		0(2)...10	
DAG24	32	6	160	24 Vac/dc		2-3 p.		
DAG24S	32	6	160	24 Vac/dc	•	2-3 p.		
DAG230	32	6	160	230 Vac		2-3 p.		
DAG230S	32	6	160	230 Vac	•	2-3 p.		
DMG24	32	6	240	24 Vac/dc			0(2)...10	0(4)...20
DMG24S	32	6	240	24 Vac/dc	•		0(2)...10	0(4)...20





TYPE	TORQUE Nm	DAMPER AREA m ²	RUNNING TIME sec.	POWER SUPPLY	AUX. SWITCHES	ACTION		
						floating	proportional Vdc	proportional mA
MODELS WITH SPRING RETURN								
DAN24F	5	1	50...70	24 Vac/dc		2 p.		
DAN24FS	5	1	50...70	24 Vac/dc	•	2 p.		
DAN230F	5	1	50...70	230 Vac		2 p.		
DAN230FS	5	1	50...70	230 Vac	•	2 p.		
DAS24F	8	1.5	70	24 Vac/dc		2 p.		
DAS24FS	8	1.5	70	24 Vac/dc	•	2 p.		
DAS230F	8	1.5	70	230 Vac		2 p.		
DAS230FS	8	1.5	70	230 Vac	•	2 p.		
DB-DA24F	15	3	150	24 Vac/dc		2 p.		
DB-DA24F-S2	15	3	150	24 Vac/dc	•	2 p.		
DB-DA230F	15	3	150	230 Vac		2 p.		
DB-DA230F-S2	15	3	150	230 Vac	•	2 p.		
DB-DM24F	15	3	150	24 Vac/dc			0...10	
MODELS FOR FIRE DAMPERS								
AF24SE	5	1	50...70	24 Vac/dc	•	2 p.		
AF230SE	5	1	50...70	230 Vac	•	2 p.		
NF24SE	8	1.5	75...95	24 Vac/dc	•	2 p.		
NF230SE	8	1.5	75...95	230 Vac	•	2 p.		
DB-SF1.90/12	20	3	150	24 Vac/dc	•	2 p.		
DB-SF2.90/12	20	3	150	230 Vac	•	2 p.		
DB-SF1.90T/12	20	3	150	24 Vac/dc	•	2 p.		
DB-SF2.90T/12	20	3	150	230 Vac	•	2 p.		
DB-SF1.90TA/12	20	3	150	24 Vac/dc	•	2 p.		
DB-SF2.90TA/12	20	3	150	230 Vac	•	2 p.		