

PN16

SAUTER Valveco.

VCL unit valves of dezincification-resistant cast brass.

AXT, AXS, AXM motorised and thermal actuators.



Model series	AXT				AXT				AXS		AXM						
Type (see product data sheet for further types)	211				211				215S		117 117S						
Version	F110 ¹⁾	F210	F112 ¹⁾	F212	HF110	HF210	HF112	HF212	F110M	F112M	SF122 ¹⁾	SF222 ¹⁾	F200	F202	F202	F302	F402
Pushing force/N ²⁾	115 110				115 110 115 110				115		125 110		140 120				
Stroke/mm	4.5				4.5				4.5		4.5		4				
Running time/min	3.5	4.5	4.5		3.5	4.5			3.5	4.5	4.5		1 2/3	1	1	1	1
Power supply	230 V a.c.				24 V a.c./d.c.				24 V a.c.								
Control signal	2-point				3-point				0...10 V (variable)								
	Nut M30 x 1.5				Bayonet M30 x 1.5												
	normally closed				normally open max. 110 N												
Auxiliary contacts																	
Mechanical adjustment																	

¹⁾ Also available in black

²⁾ Pushing force max. 125 N for AXT211/AXS215 and closing dimension 13.5 mm

Dynamic regulating valve, made of dezincification-resistant cast brass, PN16, with linear characteristic

	Type	DN	Connection	Kvs (m ³ /h)	ΔP _{min} (bar)	ΔP _{max} (bar)				
	VCL 010 F210	10	G 1/2B	30...210	0.2			4	4	4
	VCL 010 F200	10	G 1/2B	90...450	0.2			4	4	4
	VCL 015 F220	15	G 3/4B	30...210	0.2			4	4	4
	VCL 015 F210	15	G 3/4B	90...450	0.2			4	4	4
	VCL 015 F200	15	G 3/4B	150...1050	0.2			4	4	4
	VCL 020 F210	20	G 1B	150...1050	0.2			4	4	4
	VCL 020 F200	20	G 1B	180...1300	0.2			4	4	4

Main accessories for AXT, AXS actuators

Type	Description
0550240 001	Dismantling protection for AXT/AXS 211 (prevents unauthorised dismantling of plug and actuator)
0550390001	Raised bayonet nut M30x1.5 (black)
0550390101	Raised bayonet nut M28x1.5 (grey)
0550390201	Raised bayonet nut M30x1.0 (white)
0550393001	Adaptor for fitting to Danfoss valves type RA 2000, 22 mm
0550393002	Adaptor for fitting to Danfoss valves type RAVL, 26 mm
0550393003	Adaptor for fitting to Danfoss valves type RAV, 34 mm
0550394001	Adaptor for fitting to Giacomini valves type R450, R452, R456 and programme 60
0550395001	Adaptor for fitting to Pettinaroli valves, set of 10

Range of connectors for AXT

Type	Length of cable Ø 0.22 x 3									
	0.8 m	1 m	2 m	3 m	4 m	5 m	6 m	7 m	10 m	15 m
Connector with cable, white, PVC H03VV or H05VV										
0550602...	801	011	021	032	042	052	062	072	102	152
Connector with cable, black, PVC H03VV or H05VV 0550602...										
0550602...	-	-	-	032B	-	052B	-	-	102B	152B
Connector with cable, halogen-free, white FH05Z1Z1										
0550602...	-	013	023	-	-	053	-	-	103	-
Connector for continuous activation, 0...10 V, NC cable white, PVC H03 0550423.										
0550423...	-	-	121	-	-	151	-	171	-	-
Connector for continuous activation, 0...10 V, NO cable white, PVC H03										
0550423...	-	-	221	-	-	251	-	271	-	-

PN16

VUL/BUL unit valves of cast brass. AXT, AXS, AXM motorised and thermal actuators.






Model series	AXT				AXT				AXS		AXM						
Type (see product data sheet for further types)	211				211				211	215S	117	117S					
Version	F110 ¹⁾	F210	F112 ¹⁾	F212	HF110	HF210	HF112	HF212	F110M	F112M	SF122 ¹⁾	SF222 ¹⁾	F200	F202	F202	F302	F402
Pushing force/N ²⁾	115		110		115		110		115		125		140		120		
Stroke/mm	4.5				4.5				4.5		4.5		4				
Running time/min	3.5	4.5	4.5		3.5	4.5			3.5	4.5	4.5		1 2/3	1	1	1	1
Power supply	230 V a.c.																
	24 V a.c./d.c.																
	24 V a.c.																
Control signal	2-point																
	3-point																
	0...10 V (variable)																
Connection	Nut M30 x 1.5																
	Bayonet M30 x 1.5																
Direction of action	normally closed																
	normally open max. 110 N																
Auxiliary contacts																	
Mechanical adjustment																	

¹⁾ Also available in black

²⁾ Pushing force max. 125 N for AXT211/AXS215 and closing dimension 13.5 mm

Unit valves of cast brass, PN16, with equal-percentage characteristic

	Type	DN	Connection	Kvs (m ³ /h)	Δp _{max} (bar)										
 Through 2 °C...120 °C	VUL 010 F340	10	G ½B	0.16				4	4	4	4	4	4	4	4
	VUL 010 F330	10	G ½B	0.4				4	4	4	4	4	4	4	4
	VUL 010 F320	10	G ½B	0.63				4	4	4	4	4	4	4	4
	VUL 010 F310	10	G ½B	1.0				4	4	4	4	4	4	4	4
	VUL 010 F300	10	G ½B	1.6				4	4	4	4	4	4	4	4
	VUL 015 F310	15	G ¾B	2.5				1.6	1.6	1.6	1.6	1.7	1.1	1.1	1.1
	VUL 015 F300	15	G ¾B	3.5				1.6	1.6	1.6	1.6	1.7	1.1	1.1	1.1
	VUL 020 F300	20	G 1B	4.5				1.6	1.6	1.6	1.6	1.5	1.1	1.1	1.1
 3-way 2 °C...120 °C	BUL 010 F330	10	G ½B	0.4				1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
	BUL 010 F320	10	G ½B	0.63				1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
	BUL 010 F310	10	G ½B	1.0				1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
	BUL 010 F300	10	G ½B	1.6				1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
	BUL 015 F310	15	G ¾B	2.5				1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
	BUL 015 F300	15	G ¾B	3.5				1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
	BUL 020 F300	20	G 1B	4.5				1	1	1	1	1	1	1	1
	 with T-bypass 2 °C...120 °C	BUL 010 F430	10	G ½B	0.4				1.7	1.7	1.7	1.7	1.7	1.7	1.7
BUL 010 F420		10	G ½B	0.63				1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
BUL 010 F410		10	G ½B	1.0				1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
BUL 010 F400		10	G ½B	1.6				1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
BUL 015 F410		15	G ¾B	2.5				1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
BUL 015 F400		15	G ¾B	3.5				1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
BUL 020 F400		20	G 1B	4.5				1	1	1	1	1	1	1	1

Main accessories for unit valves

Type	Description
0378133 010	1 threaded nipple R¾, flat sealing, DN 10, with union nut and flat seal
0378133 015	1 threaded nipple R½, flat sealing, DN 15, with union nut and flat seal
0378133 020	1 threaded nipple R¾, flat sealing, DN 20, with union nut and flat seal
0361824025	3 threaded nipples R1, flat sealing
0361824040	3 threaded nipples R5/4, flat sealing
0378134 010	1 solder nipple Ø 12 mm, flat sealing, DN 10, with union nut and flat seal
0378134 015	1 solder nipple Ø 15 mm, flat sealing, DN 15, with union nut and flat seal
0378134 020	1 solder nipple Ø 22 mm, flat sealing, DN 20, with union nut and flat seal
0361825028	3 solder nipples Ø 28 mm, flat sealing, DN 25
0361825035	3 solder nipples Ø 35 mm, flat sealing, DN 40
0361825042	3 solder nipples Ø 42 mm, flat sealing, DN 40
0378135 010	1 compression fitting for pipe Ø 15 mm, DN 10
0378145 015	1 compression fitting for pipe Ø 15 mm, DN 15, flat seal ¾ B
0378145 020	1 compression fitting for pipe Ø 22 mm, DN 20, flat seal 1 B