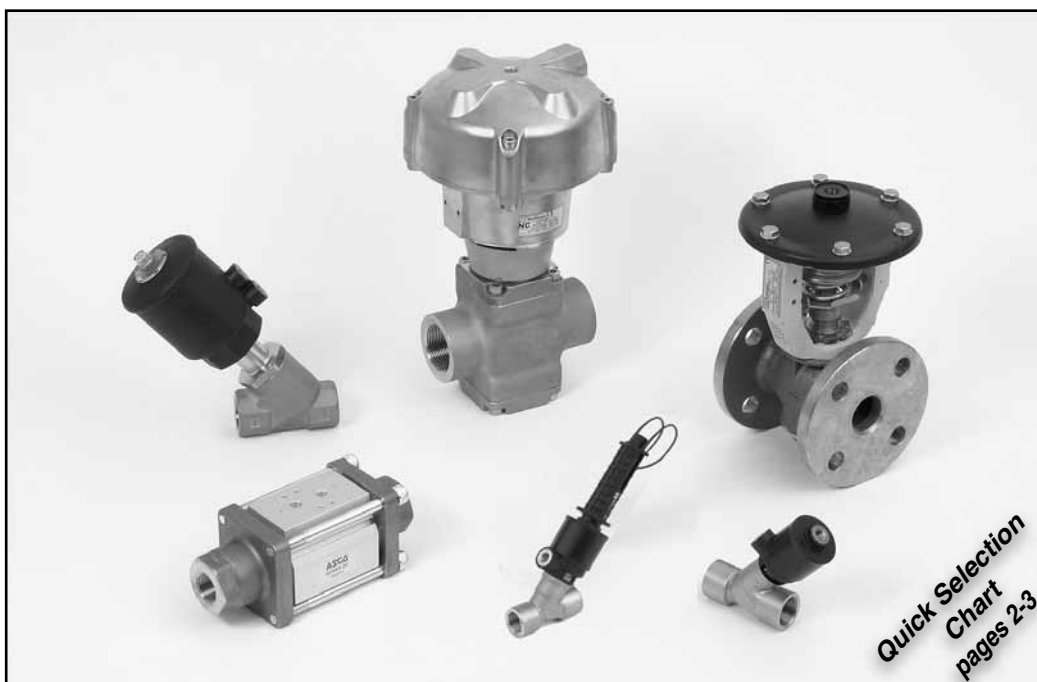


2/2 VALVES PRESSURE OPERATED

Product Index



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Function	Δ P		Temperature		Pipe connections	Series	Page	
	min. (bar)	max. (bar)	min. (°C)	max. (°C)				
BRONZE BODY								
NC-NO	0	16	-10	+184	3/8..2 1/2	E290	V410	
NC-NO	0	16	-10	+184	Flanged	DN 25..50	T290	V431
NC-NO	0	16	-10	+184		1/2 .. 2	165 (AD/TBT)	V473
NC	0	16	-10	+184	Flanged	DN 15..80	165 (AD/BBT)	V474
STAINLESS STEEL BODY								
NC-NO	0	16	-10	+184		1/2..2 1/2	E290	V410
NC-NO	0	16	-10	+184	External thread	1/2..1	U290	V412
NC-NO	0	16	-10	+184	External thread, food connections DIN 11851	RD 28x1/8 .. 44x1/6	Y290	V414
NC-NO	0	16	-10	+184	Clamp / butt welding	DN 10..65	S290	V420
NC	0	16	-10	+184	Operator with ISO 15218 (CNOMO, size 15) pilot interface	3/8 .. 3/4	E290	V438
NC-NO	0	40	-25	+250		1/2 .. 2	E298	V451
NC-NO	0	40	-25	+250	Flanged (DIN and ANSI Class 300)	DN 15..50	T298	V453
NC-NO	0	40	-25	+250	Socket welding ends	DN 15..50	S298	V455
NC-NO	0	40	-20	+100	Coaxial	3/8 .. 1	287	V471
CAST IRON BODY								
NC-NO	0	16	-10	+180	Flanged	DN 15..100	165 (AD/BF)	V475
STEEL BODY								
NC	0	25	-10	+184	Flanged	DN 15..50	165 (AD/BA)	V477
BRASS BODY								
NC-NO	0	40	-20	+100	Coaxial	3/8 .. 1	287	V471
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Options and accessories, ATEX 94/9/EC, for series 290/390						-	V436	
Options and accessories for series 298/398						-	V459	
Options and accessories, ATEX 94/9/EC, for series 298/398						-	V461	
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SOLENOID PILOT VALVES								
Valve piloting solutions						290/390	V437	
302 solenoid valves [ISO 15218 (CNOMO E06.36.120N, size 15)] - on 32 mm operator						290	V438	
189/banjo and 356 solenoid valves - 32, 50 and 63 mm operators						290/390	V439	
356 and 374 solenoid valves - 90 and 125 mm operators						290/390	V444	
356 solenoid valves - 80 and 100 mm operators						298/398	V467	
374 and 356 solenoid valves - 150 and 200 mm operators						298/398	V469	
374 solenoid valves - AD valve operators						AD	V480	

(Potentially explosive atmospheres, see page 4)


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pipe connections				body material				max. operating pressure differential (bar)				fluid temperature range		series	page							
3/8 (RD28x1/8)	1/2 (RD34x1/8)	3/4 (RD44x1/6)	1	1 1/4	1 1/2	2	2 1/2	3	DN	min. operating pressure differential (bar)	air, inert gases	aggressive fluids	water, oil			liquids	aggressive liquids	vacuum (mbar)	hot water	steam	superheated water	max. allowable pressure (bar)
☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	10 ↓ 65	0	16 ↓ 7	10 ⁻²	16 ↓ 7	10 ↓ 7	16	-10	+184	E290	V410		
☒	☒	☒							☒	10 ↓ 20	0	16	10 ⁻²	16	10	16	-10	+184	U290	V412		
☒	☒	☒							☒	10 ↓ 20	0	16	10 ⁻²	16	10	16	-10	+184	Y290	V414		
☒	☒	☒	☒	☒	☒	☒	☒		☒	10 ↓ 65	0	16 ↓ 7	10 ⁻²	16 ↓ 7	10 ↓ 7	16	-10	+184	S290	V420		
			☒	☒	☒	☒			☒	25 ↓ 50	0	16 ↓ 7	-	16 ↓ 7	-	16 ↓ 7	10 ↓ 7	16	-10	+184	T290	V431
	☒	☒	☒	☒	☒	☒				15 ↓ 50	0	40	40	10 ⁻²	40	-	-	40	-25	+250	E298	V451
	☒	☒	☒	☒	☒	☒			☒	15 ↓ 50	0	-	-	-	-	24	24	40	-25	+223	T298	V453
	☒	☒	☒	☒	☒	☒				15 ↓ 50	0	-	-	-	-	-	-	-	-	-	S298	V455
	☒	☒	☒	☒	☒	☒			☒	15 ↓ 50	0	16	16		16	10	16	-10	+184	165	V473 (AD/TBT)	
	☒	☒	☒	☒	☒	☒	☒	☒	☒	15 ↓ 100	0	16	16		16	-	16	-10	+180		V475 (AD/BF)	
☒	☒	☒	☒						☒	10 ↓ 25	0	40 12	40 12		40 12	-	-	-20	+100	287	V471 (coaxial)	

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PRESSURE OPERATED VALVES

		DN	group II									
			dusts zone 22	gas zone 2			dusts zone 21	gas zone 1			dusts zones 0-20	gas
page	series			IIA	IIB	IIC		IIA	IIB	IIC		
SERIES 290 VALVES ATEX 94/9/EC (see page V436)												
V410	E290	10 → 65	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕		(1)
V412	U290	10 → 20	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕		(1)
V414	Y290	10 → 20	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕		(1)
V420	S290	10 → 65	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕		(1)
V431	T290	25 → 50	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕		(1)
V438	E290 (ISO 15218, CNOMO size 15, pilot interface)	10 → 20	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕		(1)
SERIES 298 VALVES ATEX 94/9/EC (see page V461)												
V451	E298	15 → 50	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕		-
V453	T298	15 → 50	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕		-
V455	S298	15 → 50	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕		-
SERIES 287 VALVES ATEX 94/9/EC (see page V471)												
V471	287	10 → 25	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕		-
TYPE AD VALVES ATEX 94/9/EC (see pages V473/V474/V475/V477)												
V473	165 - AD/TBT	15 → 50	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕		-
V474	165 - AD/BBT	15 → 80	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕		-
V475	165 - AD/BF	15 → 100	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕		-
V477	165 - AD/BA	15 → 50	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕		-

(1) Contact us.

SOLENOID PILOT VALVES

				operators (See Explosionproof Solenoids section)		group II																																
						dusts zone 22	gas / dusts			zones 0-20																												
page	series	AC (~)	DC (=)	power (W)	DU (CM 22 - C 22A)	DU (CM 25)	SCDU (XM5)	SCDU (M6)	SCDU (MXX)	SCDU (M12)	WPDU (XM5)	WPDU (M6)	WPDU (MXX)	WPDU (M12)	WSDU (XM5)	WSDU (M6)	WSDU (MXX)	WSDU (M12)	ZNWPZNVWSZN (NM6)	ZNWPZNVWSZN (NMXX)	ZNWPZNVWSZN (NM12)	302	NF	WSNF	NK (MXX)	EM (M6)	EM (MXX)	EM (M12)	WSEM (M6)	WSEM (MXX)	WSEM (M12)	PV (EM5)	PV (EMXX)	302				
V438	302	-	-		V1067-1															V1063	V1063 (II T4-T3 IP65)	V1061 (II T6..T4)																
V439	189	2,5	3	⊕																																		
V439	356	4	5,5	⊕																																		
V444	356	3,5	7	⊕																																		
V444	374	10,5	11,2																																			
V467	356	4	5,5	⊕																																		
V469	374	10,5	11,2																																			
V480	374	10,5	11,2																																			

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