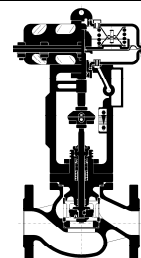


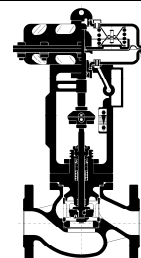
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Valves

Production line	Design	Series	Nominal diameter	Application area	
				Nominal pressure	Temperature
Control Valves	2-way single seated	ECOTROL® 8C	DN15 - DN100	PN10 - PN63	-196°C...530°C
			1/2" - 4"	ANSI150 - ANSI600	-196°C...530°C
		ECOTROL® 8C D/6H D	DN15 - DN32	PN10 - PN250	-50°C...500°C
			1/2" - 1"	ANSI150 - ANSI1500	-46°C...500°C
		ECOTROL® 6N	DN125 - DN800	PN10 - PN63	-196°C...530°C
			5" - 32"	ANSI150 - ANSI600	-196°C...530°C
		ECOTROL® 6H	DN15 - DN600	PN100 - PN250	-196°C...530°C
			1/2" - 24"	ANSI900 - ANSI1500	-196°C...530°C
		130	DN15 - DN200	PN400	-196°C...530°C
			1/2" - 8"	ANSI2500	-196°C...530°C
		180	DN15 - DN100	PN10 - PN250	-196°C...530°C
			DN150 - DN1200	PN10 - PN40	-196°C...530°C
		190	DN15 - DN65	PN100 - PN400	-10°C...620°C
			1/2" - 2 1/2"	ANSI600 - ANSI2500	-29°C...620°C
	2-way double-seated	250	DN50 - DN350	PN10 - PN40	-10°C...530°C
		280	DN40 - DN250	PN63 - PN160	-10°C...530°C
	3-way	200	DN25 - DN400	PN40	-10°C...400°C
		220	DN25 - DN300	PN63 - PN160	-10°C...530°C
	Angle type valves	350	DN15 - DN300	PN10 - PN160	-196°C...530°C
			1/2" - 12"	ANSI150 - ANSI900	-196°C...530°C
DN100/150 - DN150/300			PN63 - PN250	-10°C...600°C	
380		4" / 6" - 6" / 12"	ANSI600 - ANSI1500	-29°C...600°C	
	DN25 - DN400	PN10 - PN400	-196°C...600°C		
1" - 16"	ANSI150 - ANSI2500	-196°C...600°C			
	Hygienic valves	BIOVENT® 391	DN15 - DN150	PN10 - PN25	-30°C...135°C
Steam conditioning valves	Globe type	510+520	DN50 - DN800	PN16 - PN250	up to 450°C
			2" - 32"	ANSI150 - ANSI1500	up to 450°C
	Angle type	550	DN80 - DN200	PN16 - PN250	up to 450°C
			3" - 8"	ANSI150 - ANSI1500	up to 450°C
		560	DN80 - DN200	PN16 - PN250	up to 600°C
			3" - 8"	ANSI150 - ANSI1500	up to 530°C
		570	DN25 - DN250	PN16 - PN400	up to 450°C
			1" - 10"	ANSI150 - ANSI2500	up to 450°C
	580	DN25 - DN250	PN16 - PN400	up to 620°C	
		1" - 10"	ANSI150 - ANSI2500	up to 620°C	

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Desuperheater

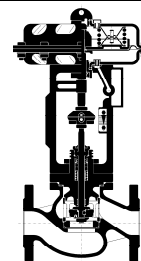
Production line	Series	Nominal size steam pipe	Application area	
			Nominal pressure	Temperature
Desuperheater	590	DN100 – DN1200	PN16 - PN400	up to 620°C
		4" - 48"	ANSI150 - ANSI2500	up to 620°C

Actuators

Production line	Series	Temperature range*	Stroke/Rotary angle	Max. actuating force/moment	
				Spring	Air
Linear actuators	811 (UMA)	-40°C...+80°C	10mm - 120mm	2,1kN - 33,1kN	10,8kN - 81,2kN
	812/813 (MF)	-20°C...+80°C	10mm - 60mm	4,8kN - 16kN	14,4kN - 32,4kN
	MA	-20°C...+80°C	20mm - 136mm	2,6kN - 45kN	4,6kN - 87kN
Piston actuators	812.DWK	-20°C...+80°C	20mm - 30mm	-	up to 17kN
	814	-20°C...+80°C	180mm-250 mm	max. 22kN	max. 149kN

* Further low temperature applications on request

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Positioners

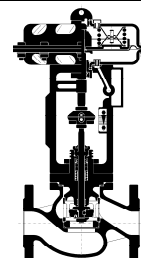
Production line	Series	Air supply	Type of explosion-proof	Communication	Options	Temperature range	Residual control deviation	Linearity failure
Digital Positioner	827A	1,4bar - 7bar	w/o intrinsically safe flame-proof	w/o HART Profibus Foundation Fieldbus	analogue module binary module slot initiator module contact module	-30°C...+80°C (-40°C optional)	< 0,3%	< 0,5%
Digital Positioner	826	1,4bar - 7bar	w/o	w/o	analogue module binary module	-20°C...+80°C	Adaptive 0,1 - 3%	< 0,5%
Pneum. Positioner	824.P	1,4bar - 6bar	w/o	w/o	I/P converter limit switch	-40°C...+80°C	< 0,5%	< 2%
E/P-Positioner	824.E	1,4bar - 6bar	w/o	w/o	I/P converter limit switch	-40°C...+80°C	< 0,5%	< 2%

Signal Box

Production line	Series	Execution	Type of explosion-proof	Qty. of initiators	Type of initiators
Signal box	827S	827S.E	w/o	1 – 3	2-wire DIN 19234 (NAMUR)
					2-wire DIN 19234 (NAMUR) in safety function
	827S.X	intrinsically safe	1 – 2	3-wire for direct switching, NO	
				2-wire DIN 19234 (NAMUR)	
					2-wire DIN 19234 (NAMUR) in safety function

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Accessories

Production line	Series	Application area	Measuring range	Diam. of bellows
Pressure controller	Roboter 902	Over pressure	0,02bar - 80,0bar	15mm-160mm
		Low pressure	0,01bar - 1,0bar	60mm
		Differential pressure	0,03bar - 5,0bar	50mm - 100mm

Production line	Series	Measuring range	Feeler length
Temperature-P-controller	910 (05075 / 05076)	0°C - 250°C	300mm / 500mm

Production line	Series	Application area	Measuring range
Pneumatic controller	920.350 P. PI. PID	Pressure	0-150bar

Production line	Series	p max.	T min/max
Pneumatic pressure transformer	931	4bar	-50°C / 200°C

Production line	Series	Adjusting range	T min/max	Filter size
Air set	961	0bar - 6bar	0°C - 50°C	40µm