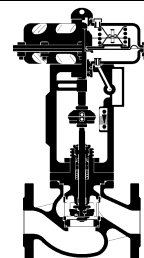


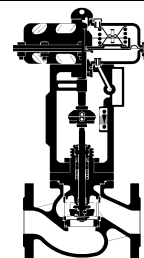
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Valves

Production line	Design	Series	Nominal diameter	Application area	
				Nominal pressure	Temperature
Control Valves	2-way valves single seated	ECOTROL® 8C	DN15 - DN100	PN10 – PN63	-196°C...530°C
			DN1/2" - DN4"	ANSI150 – ANSI600	-196°C...530°C
		ECOTROL® 6N	DN125 – DN800	PN10 – PN63	-196°C...530°C
			DN5" – DN32"	ANSI150 – ANSI600	-196°C...530°C
		ECOTROL® 6H	DN15 – DN600	PN100 - PN250	-196°C...530°C
			DN1/2" – DN24"	ANSI900 – ANSI1500	-196°C...530°C
	130	DN 15 - DN200	PN400	-196°C...530°C	
		DN ½" - DN8"	ANSI2500	-196°C...530°C	
	2- way valves double-seated	250	DN50 - DN350	PN10 - PN40	-10°C...530°C
		280	DN40 - DN250	PN63 - PN160	-10°C...530°C
	3- way valves	200	DN25 - DN600	PN10 - PN40	-10°C...400°C
		220	DN25 - DN300	PN63 - PN160	-10°C...530°C
	Angle type valves	350	DN15 – DN300	PN10 - PN160	-10°C...530°C
			DN1/2" – DN12"	ANSI150 – ANSI900	-10°C...530°C
			DN100/150 - DN150/300	PN63 - PN250	-10°C...600°C
		380	DN4" / 6" – DN6" / 12"	ANSI600 – ANSI1500	-10°C...600°C
	DN25 – DN400		PN10 - PN400	-10°C...600°C	
	DN1" – DN16"	ANSI150 – ANSI2500	-10°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
			DN2" – DN32"	ANSI150 - ANSI1500	up to 450°C
	Angle type	550	DN80 - DN200	PN16 - PN250	up to 450°C
			DN3" - DN8"	ANSI150 - ANSI1500	up to 450°C
		560	DN80 - DN200	PN16 - PN250	up to 600°C
			DN3" - DN8"	ANSI150 - ANSI1500	up to 530°C
		570	DN25 - DN250	PN16 - PN400	up to 450°C
			DN1" - DN10"	ANSI150 - ANSI2500	up to 450°C
		580	DN25 - DN250	PN16 - PN400	up to 620°C
			DN1" - DN10"	ANSI150 - ANSI2500	up to 620°C
590	DN25 – DN100	PN16 - PN400	up to 620°C		
	DN1" – DN4"	ANSI150 - ANSI2500	up to 620°C		

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Actuators

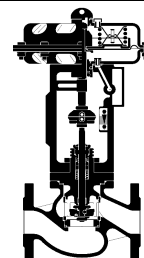
Production line	Series	Temperature range*	Stroke/Rotary angle	Max. actuating force/moment	
				Spring	Air
Linear actuators	811 (UMA)	-20°C...+80°C	20mm - 120mm	4,5kN - 33,1kN	11,6kN - 81,2kN
	812/813 (MF)	-20°C...+80°C	10mm - 60mm	4,8kN - 16kN	14,4kN - 32,4kN
	812.DWK	-40°C...+80°C	20mm - 30mm	-	up to 17kN
	MA	-20°C...+80°C	20mm - 136mm	2,6kN - 45kN	4,6kN - 87kN
Piston actuators	814	-20°C...+80°C (-40°C optional)	180-250 mm	max. 22kN	max. 149kN
Rotary actuators	840	-20°C...+80°C	0° - 90°	46Nm - 1630Nm	87Nm- 2295Nm

* Further low temperature applications on request (e.g. -50°C)

Positioners

Production line	Series	Air supply	Type of explosion-proof	Communi-cation	Options	Temperature range	Residual control deviation	Linearity failure
E/P-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%
P-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%
	824.D		flame-proof		w/o			

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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 (00400) P. PI. PID	Pressure	-1bar - 350bar
		Differential pressure	0 - 40bar

Production line	Series	Application area	Measuring range
Pneumatic controller for temperature	921 (00400)	Temperature	-40°C - 600°C

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

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