

Specification sheet for valve selection

Operating data

Point of control	Control task			Potentially explosive atmosphere (zone)	
Ambient temperature	[°C]	Max.		Min.	
Max. permissible sound pressure level	[dB(A)]				
Pipe	-	DN		PN	
Fluid handled	-				
State when entering valve	-	Liquid		Steam	
	-	Gas			

Process data

		Min.	Normal	Max.
Volume flow rate (liquid)	[m³/h]			
Mass flow rate (gas/steam)	[kg/h]			
Inlet temperature	[°C]			
Inlet pressure (a) p1	[bar]			
Outlet pressure (a) p2	[bar]			
Inlet density	[kg/m³]			
Kinematic viscosity	[cSt]			

Valve data

Flow direction	-	Δp opens		Δp closes	
Nominal size, nominal pressure	-	DN		PN	
Line connection/Pattern	-	Straight-way pattern, raised-face flange, type B (DIN 1092-2)			
Body/bonnet material	-	Nodular cast iron EN-GJS-400-18-LT			
Characteristic	-	Linear		Equal-percentage	
Selected flow coefficient	kv, value				
Seat/disc diameter	[mm]				
Packing material	-	PTFE		Graphite	
Leakage class (DIN EN 60534-4)	-	IV		VI	

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Actuator data

Δp closes (actuator selection)	[bar]				
Working principle		Spring opens (NO)		Spring closes (NC)	
Control pressure	[bar]				
Electro-pneumatic positioner		<input type="checkbox"/> Sipart PS2 2-wire 4-20 mA			
Additional modules integrated in the unit		<input type="checkbox"/> IY module for actual-position feedback, 4-20 mA			
		<input type="checkbox"/> Alarm module for 3 alarm outputs and 1 binary input			
Supplementary equipment		<input type="checkbox"/> Pressure gauge block (with two pressure gauges)			
		<input type="checkbox"/> Filter/reducing station			
		3/2-way solenoid valve			
		230 V		24 V	
		Mechanical limit switch			
		1 x		2 x	
		Inductive limit switch			
	1 x		2 x		

The pneumatic actuators are standard-supplied with tubing.
Piping and add-on parts from specific manufacturers on request.

The data in bold is mandatory in all RFQs.