

FLAP TYPE DIVERTER - FDV

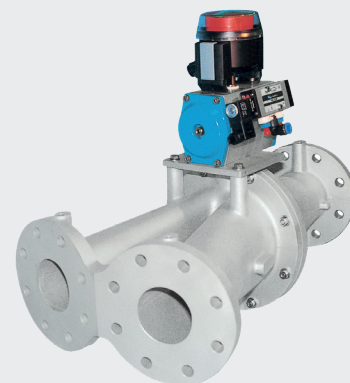
Technical data standard configuration

GENERAL DATA

PIPE CONNECTION	Metric and imperial
FLANGE CONNECTION	PN 10 or ANSI 150 lbs.
MAXIMUM ALLOWABLE WORKING PRESSURE	-0,3 up to 2 barg
ALLOWABLE CONVEYING PRODUCT TEMPERATURE	up to 80°C
ATEX 2014/34/EU	1D/2GD Equipment (If required please specify on order)

MATERIAL SPECIFICATIONS

CAST HOUSING	Cast iron GG 25	DIN 0.6025
	Aluminium LM25 TF7	DIN 3.2371
	Stainless steel 316	DIN 1.4408
PIPING	Mild steel	
	Stainless steel 304L	DIN 1.4301
FLAP ASSEMBLY	Stainless steel 316	DIN 1.4401
SEAL	Polyurethane	60-70°sh.A
	Polyurethane food quality (optional)	60-70°sh.A
	*90°sh.A in case of vacuum	



DRIVE SPECIFICATIONS

DOUBLE ACTING PNEUMATIC ACTUATOR	Type DR
MEDIUM	Air filtration lubricated or not up to 8 bar
TEMPERATURE RANGE	-40°C to +80°C
WORKING PRESSURE	5-8 bar
TUBE	Ø 10mm

Air consumption

FDV SIZE	50	65	80	100	125	150	200	250
AT 6 BAR LTR/STROKE	0.35	0,4	0.8	0.9	1.6	1.7	4	4

CONTROL SPECIFICATION

SOLENOID VALVE	5/2 NAMUR monostable execution with manual control
FESTO	Type VSNC-FC-M52-MD-G14-FN
MEDIUM	air filtration lubricated or not up to 8 bar
CONNECTION	1/4"

SOLENOID COIL	
FESTO	Type VACN-N-...
PROTECTION	IP 65
SOCKET CONNECTION	M16 Ø 6 ... 8mm
STANDARD VOLTAGE	24 V DC 110/ 230 V AC 50/60Hz
TEMPERATURE RANGE	-20° up to 60°C

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SWITCH/TERMINAL BOX SPECIFICATION

ROTECH	Type ACR3ASTAZ10 Micro switches
PROTECTION	IP 65
STANDARD VOLTAGE	4A, 230 VAC
TEMPERATURE RANGE	-25° to +85°C
CABLE GLAND	M20x1,5 Clamp. range 8...13 mm

OPTIONAL SWITCH/TERMINAL BOX SPECIFICATION

ROTECH	Type APFN412EASEAZ10
INDUCTIVE PROXIMITY SWITCH	Pepperl & Fuchs NBN4-12GM50-E2
PROTECTION	IP 65
STANDARD VOLTAGE	10...30 VDC 3-wire PNP NO 0-200 mA
TEMPERATURE RANGE	-25° to +70°C
CABLE GLAND	M20x1,5 Clamp. range 8...13 mm