

BALL TYPE DIVERTER - BTD

Technical data standard configuration

GENERAL DATA

FLANGE CONNECTION	Round PN 10 or ANSI 150 (presently available only in PN10)
MAXIMUM ALLOWABLE WORKING PRESSURE	-0,5 up to 6 barg
MAXIMUM ALLOWABLE WORKING TEMPERATURE	-25°C up to 80°C
ATEX 2014/34/EU	1D/2GD Equipment (If required please specify on order)

MATERIAL SPECIFICATIONS

CAST HOUSING/END COVERS/BALL	Ductile spheroidal cast iron GS 500 / 7 UNI EN 1563-UNI 4544 ASTM A536
SEAL	Polyurethane
OPTIONAL	Silicone (150°C)

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

SIZE BTD	65	80	100	125	150	200	250
AT 6 BAR LTR/CYCLE OPENING-CLOSURE	12,3	12,3	21,5	36,3	36,3	50	88

CONTROL SPECIFICATIONS

SOLENOID VALVE	
FESTO	5/2 NAMUR bistable execution with manual control
MEDIUM	Type VSNC-F-B52-G14-F2
CONNECTION	air filtration lubricated or not up to 8 bar

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°C up to 60°C

SWITCH/TERMINAL BOX SPECIFICATION

ROTECH	Type ACR3ASTAZ10 Micro switches
PROTECTION	IP 65
STANDARD VOLTAGE	4A, 230 VAC
TEMPERATURE RANGE	-25°C 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°C to +70°C
CABLE GLAND	M20x1,5 Clamp. range 8...13 mm

