

Specifications	
Function	
Media	Air
Maximum Viscosity	115 SSU
Body Material (Std)	Anodised Aluminium
Flange Tube	Brass
Plunger and Top Stop	Stainless Steel 430FR
Springs	Stainless Steel 302
Seal Material (Std)	NBR
Electrical Characteristics	
Coil Voltage DC (-)	12 V, 24 V, 110 V
Coil Voltage AC 50 Hz (-)	24 V, 110 V, 120 V, 230 V
Coil Voltage AC 60 Hz (-)	24 V, 110 V, 120 V, 220v
Voltage Tolerance	+10% or -10%
Duty Cycle	100% ED
Protection Class (Exd)	Exd IIC T6 (-50 °C to +40 °C) (IP67 BS EN 60529)
Protection Class (Exm)	Exm II 2 G T5 (-20 °C to +40 °C) (IP65 BS EN 60529)
Protection Class (Exia)	Exia IIC T6 (-40 °C to +50 °C)
Electrical Connection (Exd)	Via terminal block (max wire diameter 1.6 mm)
Electrical Connection (Exm)	2 metre lead 3 core
Electrical Connection (Exia)	PG9 via DIN plug connector DIN 43650-A
Coil Insulation (Exd & Exm)	Class H (BS EN 60085) 180 °C
Coil Insulation (Exia)	Class F (BS EN 60085) 155 °C
Power Rating	5 watts

Features and Benefits

- Ideal for in-line system service and repair
- Choice of valve body material seals
- Manual Override
- Low power LED Light
- Dual Coil option
- Exd, Exia and Exm compatible
- Max cycle frequency 5/sec



Pipe Size	Cv (gpm)	Kv (m³/h)	OPD (Bar)		P. Max Bar	Weight (kg) excluding Solenoid
			AC Voltages	DC Voltages		
¼"	1.4	1.2	2.5-10	2.5-10	10	0.5

Options Available

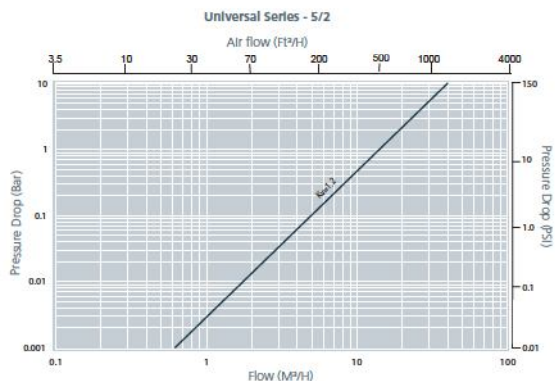
Solenoid Enclosure	
Protection Class	Electrical Entry
EExd T6 (IP67)	M20 x 1.5 Female (Std) (½" NPT conduit entry option)
EExd T4 (IP67)	
Exm	M16 x 1.5 Male flying lead
Exia	PG9 via Din Plug Connector Din 43650-A

Seal Material ¹ and Media Temp. Range	EXD			EXM	
	Ambient Temperature Range °C			Ambient Temperature Range °C	
	Min	Max (T6)	Max (T4)	Min	Max (Exm)
NBR (-10 °C to +80 °C)	-10	40	70	-10	40

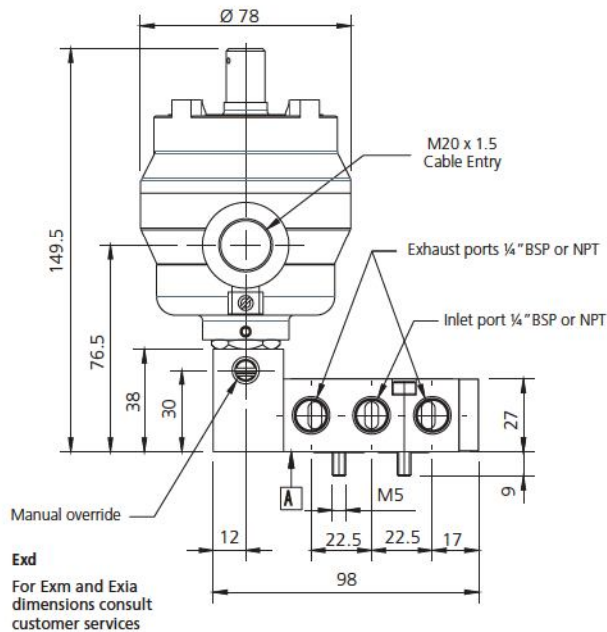
¹ See corrosion reference guide and sealing solutions for material compatibility.

How to use the flow chart

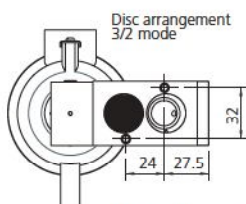
1. Select the required flow.
2. Note the corresponding pressure drop.
3. Based on where the two points intersect select the most appropriate model.



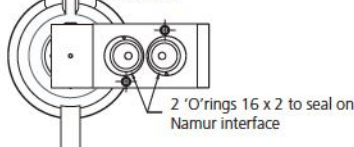
Namur Series Exd, Exm & Exia Series – 3/2 or 5/2 Universal



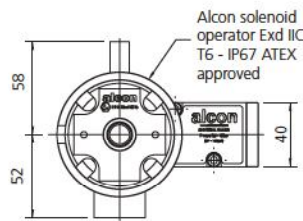
Exd
For Exm and Exia dimensions consult customer services



Disc arrangement 3/2 mode



Disc arrangement 5/2 mode
2 'O' rings 16 x 2 to seal on Namur interface



For Exia option use product code 65B32Z3A5-1QJ1.
For all other coding options see below:

Main Valve Assembly

Model	Valve Body Conn. Size	Connection Type	Operation	Body Material	Seals	Style	
65	Namur	B 1/4"	3 NPT	2 MANUAL OVERRIDE	3 Aluminium	A NBR	1 Exm 3 Exd

65	B	3	2	Z	3	A	•	-
----	---	---	---	---	---	---	---	---

Product coding example:

65B32Z3A3-9E259 - Namur Series
1/4" NPT, manual override, aluminium, NBR seals, Exd T6 Aluminium 230 V / 50 Hz M20 x 1.5.

Solenoid enclosures



Intrinsically safe enclosure (ATEX approved)

External material: Thermoset resin
 Electrical connection: PG9 via DIN plug connector Din 43650-A
 Max power: consumption Exia 1.6 watts DC.
 Winding: insulation Class F
 Protection class: Exia IIC T6, ATEX approved for ambient temperatures -40 °C to +50 °C
 Maximum valve media temperature of 70 °C. Weatherproof to IP65

Exd enclosure

Power consumption: Holding 19 VA, 12 V to 230 V, 50 / 60 Hz. 14.5 W, 12 V to 212 VDC
 External material: Powder coated aluminium or 316 st.st. enclosure with st.st. nameplate
 Electrical entry: M20 x 1.5 or 1/2" NPT conduit entry
 Protection Class: II 2 G Exd IIC T6 for ambient temp -50 °C to +40 °C
 Optional: II 2 G Exd IIC T4 for ambient temp -50 °C to +70 °C
 Additional Weight 0.8 kg - Aluminium or 1.5 kg - Stainless Steel



Exm enclosure

Power consumption: Holding 16 VA, 12 V to 230 V, 50 / 60 Hz. 10 W 12, 24 VDC
 External material: powder coated metal enclosure with st.st. nameplate
 Electrical entry: 2 metre length of approved 3 core cable with M16 conduit male winding insulation class.
 Protection Class: II 2 G Exm II T5 for ambient temperatures -20 °C to +40 °C
 Additional weight: 0.5 kg



Coil options

Enclosure	Voltage / Frequency	Electrical Connection	Approval
9 Exd Aluminium	E2 230 V / 50 Hz	5 M20 x 1.5	9 ATEX T6
	H2 110 V / 50 Hz & 120 V / 60 Hz	9 1/2" NPT	K ATEX T4
	F1 24 VDC		

9	••	•	•
---	----	---	---

4	••	E	
---	----	---	--

Enclosure	Voltage / Frequency	Electrical Connection
4 Exm	M1 230 V / 50 Hz	E 3 metre lead M16 EXM
	M2 110 V / 50 Hz	
	M4 24 VDC	