

FAS Microsol 15 mm Media Separated Valves

Low internal volume, virtually no unswept volume

Low power consumption 0.4W (4W for first 50 ms)

Long life - in excess of 10 million cycles depending on the application

Very compact design (27 x 15 x 50 mm)

100 % ED operation up to 50 °C fluid temperature

Technical data

Medium:	Neutral or aggressive gases and liquids
Operation:	Media separated solenoid valve, direct acting
Mounting:	2 x M2.5
Operating pressure:	-0.95 to 2.2 bar relative pressure (-13.8 to 32 PSI)
Flow characteristics:	kv: 0.8 (Cv 0.056) Orifice size 1.6 mm (1/16")
Fluid temperature:	0 °C to 50 °C (32°F to 122°F)
Ambient temperature:	0 °C to 50 °C (32°F to 122°F)
Weight:	30 gram (1.06 ounces)



Materials

Body material in contact with media: PEEK
 Seal material in contact with media: FFPM, FPM or EPDM

Direct acting media separated valve
 Sub-base mounted
 3/2 UNI

Symbol



Standard models

Function	Orifice mm	Flow kv (l/min)	Operating pressure bar	Material		Voltage	Power (W)	Hit & Hold	Part number	Drawing no.
				Diaphragm	Seal					
3/2 UNI	1,6 (1/16")	0,8 (Cv 0.056)	-0.95 – 2.2 (-13.8 – 32 PSI)	EPDM	EPDM	12V DC	4 / 0.4	yes	01-333EB03-B5+23112+AXA	1
3/2 UNI	1,6 (1/16")	0,8 (Cv 0.056)	-0.95 – 2.2 (-13.8 – 32 PSI)	EPDM	EPDM	24V DC	4 / 0.4	yes	01-333EB03-B5+23112+AZU	1
3/2 UNI	1,6 (1/16")	0,8 (Cv 0.056)	-0.95 – 2.2 (-13.8 – 32 PSI)	FPM	FPM	12V DC	4 / 0.4	yes	01-333EB03-B1+23112+AXA	1
3/2 UNI	1,6 (1/16")	0,8 (Cv 0.056)	-0.95 – 2.2 (-13.8 – 32 PSI)	FPM	FPM	24V DC	4 / 0.4	yes	01-333EB03-B1+23112+AZU	1
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3/2 UNI	1,6 (1/16")	0,8 (Cv 0.056)	-0.95 – 2.2 (-13.8 – 32 PSI)	FFPM	FFPM	24V DC	4 / 0.4	yes	01-333EB03-B6+23112+AZU	1

Contact your local Norgren Fluid Controls specialist for information about our manifold capabilities, which include laminated polymer manifolds.

Electrical details

Voltage: nominal (U max.)*2 24V DC ± 5%	140 Ω ± 5%
Electrical response time:	10 – 15 ms (ON) 10 – 15 ms (OFF)
Protection class:	IP51
Electrical insulation:	1500 VAC
Insulation class:	F 155

Electrical connection: AMP 2P (caution, polarity + / -)
Coil Orientation: B01 / B03

Further options on request

Orifice size, operating pressure, materials, voltage, electrical connection, manual override, position indicator.

2/2 NC and NO configurations are available in the Microsol 15 mm media separated range.

