

The adaptable VM23 series of products is composed of a 5/2 spool-type centre section, to which an extensive range of actuators can be fitted. The VM23 range is interchangeable with V23 Capsula 1/2 valve products.

Key Features:

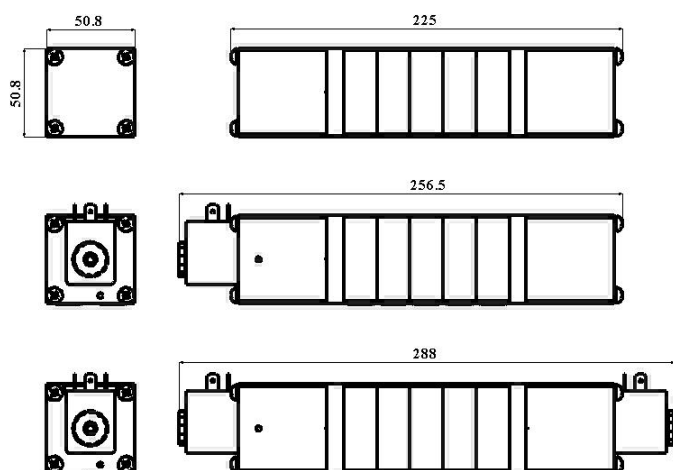
Air, Solenoid and Hydraulic Pilots

Metal actuator ends

Slip on/off interchangeable coils

Metal Manual override

5/2 spool function



The centre section consists of 5 high density mouldings, clamping the nitrile rubber seals. An aluminium spool floats in the static seals. Spool actuators are secured to the ends of the centre section and four screws hold the valve to the base.

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TECHNICAL SPECIFICATIONS

GENERAL

Type of Unit	5 Port 2 Position Directional Valve
Model Code	Refer to ordering code
Design	Spool Type Valve, Sub-Base Mounted
Mounting Type	On Sub-Base
Connections	Appropriate to the Sub-Base
Port Sizes	11.5mm

PNEUMATIC CHARACTERISTICS

Operating Pressure Range	3.5 - 8 Bar (50 - 120 psi)
Operating Temperature Range	-10 to +50°C
Orifice Size	11.5mm
CV Factor (Ports 1-2)	3.5

ACTUATORS ELECTRICAL

Standard DC	12V	24V	
Standard AC	24V-50/60Hz	110V-50/60Hz	240V-50/60Hz

ELECTRICAL CHARACTERISTICS

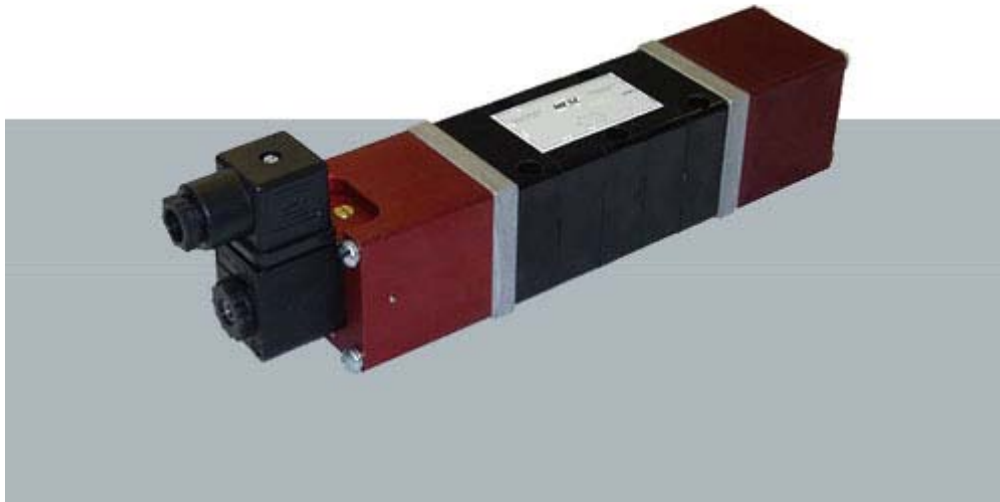
AC Solenoid	Inrush 8.5 VA (Max) Holding 6.0 VA (Max)
DC Solenoid	4.5 Watts (Max)
Operating Duty	100% (Continuous)
Type of Protection (Class)	IP65
Insulation (Class)	'F'
Electrical Connection	Din 43650 Type 'A'

MATERIALS

Body Segments	Plastic (Phenolic)
Clamp Plates	Aluminium
Spool	Aluminium
Spool Seals	High Nitrile
Actuator Housing	Anodised Aluminium
Actuator Pistons	Aluminium
Solenoid Components	Stainless Steel/Brass



STANDARD VALVE RANGE



VM23—0303—BS —000

PRODUCT FAMILY

VM23 - Capsula 1/2" Valve

PORT CONNECTIONS

0 - Cable Plug

ACTUATORS (SELECT BOTH ENDS)

- 03 - Solenoid Pilot Standard Piston
- 04 - Solenoid Pilot Small Piston
- 05 - Air Pilot Standard Piston
- 06 - Air Pilot Small Piston
- 07 - Spring
- 14 - Air Spring
- 20 - Hydraulic Pilot

VOLTAGE - SOLENOID

- | | |
|----------|--------------------|
| A - 12DC | F - 110 AC 50/60Hz |
| B - 24DC | H - 230AC 50/60Hz |

(Add suffix 'S' if L.E.S. is required, otherwise insert "O")

Consult works for additional voltages

KITS

- VM23K-1 - Valve Seals
- VM22K-2 - Solenoid Operator
- VM22K-3 - Spare Coil (Specify Voltage Code)

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