

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 Capsula 1/2 valve products.

### Key Features:

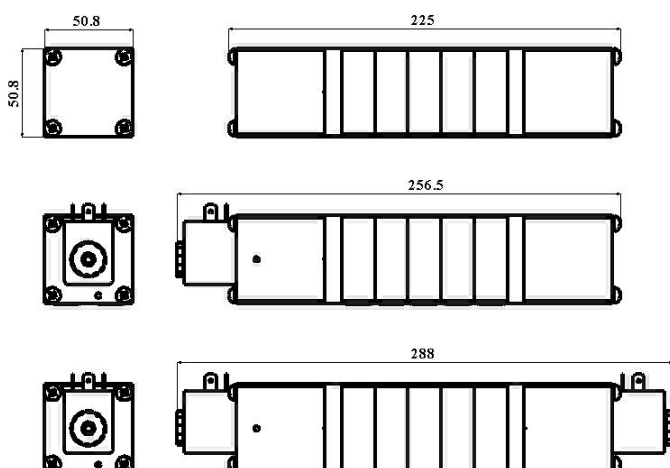
Air, Solenoid and Hydraulic Pilots

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.

## 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

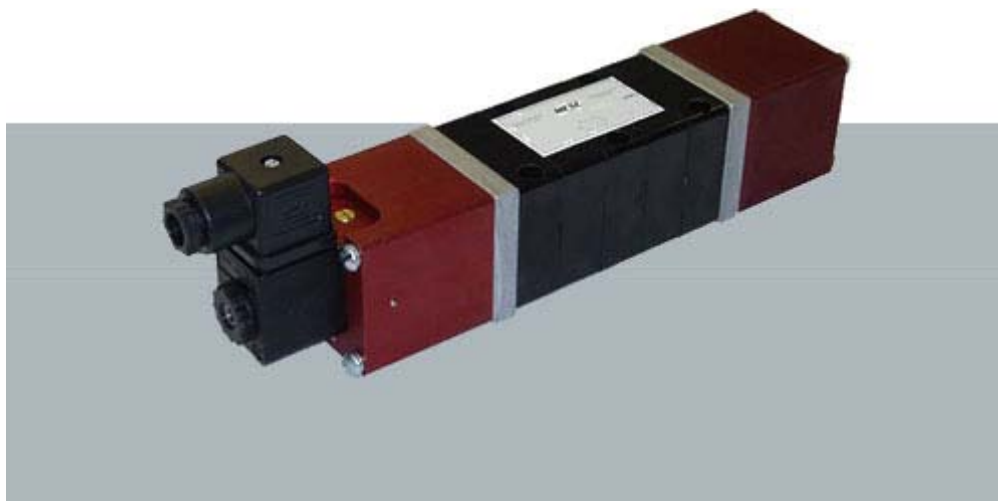
|                            |  |
|----------------------------|--|
| AC Solenoid                | Inrush 8.5 VA (Max) Holding 6.0 VA (Max) |
| DC Solenoid                | 4.5 Watts (Max)                          |
| Operating Duty             | 100% (Continuous)                        |
| Type of Protection (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)

