

Product Range Expansion



Heavy Duty Multimach with PROFIBUS

The Heavy Duty Multimach (HDM) valve terminal has been extremely successful for Metal Work because of the thought that was put in to the basic design.

How often do you need to add, remove or change a valve once a machine has been built? The HDM assembly is joined together by a screw in the front and rear of each valve, this connects the valve to its left hand neighbour (another valve or manifold). If you wish to add a valve you just undo two screws to separate the assembly, add in the new valve and then tighten 4 screws and test. No fiddly clips and no need to order extra long screws.

The outer casing of each valve is technopolymer but to ensure a long, reliable life the valve is built into a aluminium block retained in the technopolymer housing. No need to worry about overtightening mountings and having the valves lock-up!



Valves are available in 3/2, 5/2 and 5/3 formats with integral fittings of 4mm, 6mm or 8mm OD. Two manifold designs are available offering either a single pressure supply or a dual pressure supply. The dual pressure supply allows 5/2 valves to operate with different pressure to ports 2 & 4 so you can extend an actuator at high pressure and return at a lower pressure. If your application is suitable for using lower pressure for returning cylinders then you reduce overall air consumption and

therefore reduce operating costs because less compressed air is needed.



The flow rate ranges from 200NI/min for valves with 4mm connectors, up to 800NI/min for 8mm connectors. Operating pressure can be from vacuum to 10bar (pilot pressure supply from 3-7bar).

Mounting the HDM is via through holes or tapped holes in the endplates plus there is a DIN rail mount so that it can easily be fitted alongside electrical components.

Connection can be via a 25pin sub D connector plus slave module are available for PROFIBUS-DP, INTERBUS-S, DEVICE-NET and CAN-OPEN. We can also offer a version for connection to the B&R FORMULA X system.

The latest addition to the range is an integral PROFIBUS module which allows the HDM to become a PROFIBUS island without connecting via a slave module, reducing its size and increasing its protection rating to IP65. A much neater solution that also reduces overall costs.

If you're looking for a compact valve package that is rugged, easy to modify and competitively priced then why not get us to configure a HDM to suit your application.

Contact your local Metal Work office for more details.



In Line Progressive Start Valve

The new in-line progressive start valves (VAP) covered in an earlier newsletter are selling like hot cakes.

This valve allows you to add a progressive start function to an existing machine or just to one cylinder (see 'Tales from the Workshop' on the last page of this newsletter).

For August & September we have a special offer on the VAP range. Contact your nearest Metal Work office and ask for the MWUVAP special price.

Metal Work Pneumatic, providing cost effective solutions.....

