# Series MD 3/2-way isolation valves

# Series MD modular FRL units



Ports with interchangeable cartridges: threaded (1/8, 1/4, 3/8) or integrated with super-rapid fitting for tube with  $\emptyset$  6, 8 and 10 mm Modular

Manual, electro-pneumatic, servo-pilot and pneumatic control



- » Standard tamperproof lock-out (manual valve)
- » 24 V, 110 V or 230 V coils (see the section 2.2.35)
- » Solenoid valve with or without manual override available in different types
- » Additional air intakes with the same characteristics of the inlet air (line)

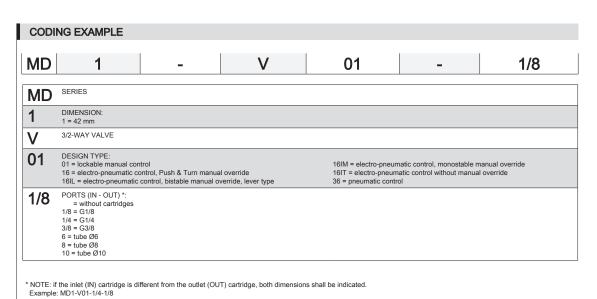
The Series MD offers multi-sector solutions that ensure saving in terms of installation time, space and costs. Series MD lockable isolation valves allow the inlet and exhaust of compressed air from the plant and can meet several application requirements.

The electric version can be equipped with different options of manual override (Push & Turn, Push-in, retaining lever). Moreover, a version without override is also available.

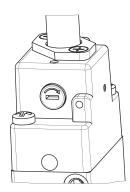
The manually operated valve can be locked thanks to the use of padlocks.

GENERAL DATA		
Construction	modular, compact, spool-type	
Materials	see TABLE OF MATERIALS (pag. 3/0.35.02)	
Ports	with interchangeable cartridges: 1/8, 1/4 and 3/8 threaded, integrated with super-rapid fitting for tube with Ø 6, 8 and 10 mm	
Fixing	in-line; wall-mounting by means of through holes in the body or with a support bracket; panel-mounting (for manually operated version only)	
Operating temperature	-5°C ÷ 50°C up to 16 bar	
Operating pressure	Manual valve: -0,8 bar ÷ 10 bar Electro-pneumatic valve: 2 bar ÷ 10 bar Servopilot or pneumatic valve: -0,8 bar ÷ 10 bar (with pilot 2 ÷ 10 bar)	
Nominal flow	see FLOW DIAGRAMS (pag. 3/0.35.03 e 3/0.35.04)	
Nominal exhaust flow at 6 bar with ∆p = 1 bar	850 NI/min	
Fluid	compressed air	

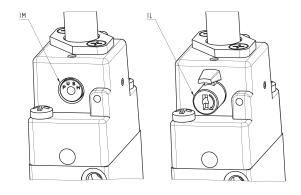




# TYPES OF MANUAL OVERRIDE

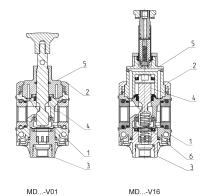






IL = bistable manual override, lever type IM = monostable manual override

#### Series MD lockable isolation 3/2-way valves - materials

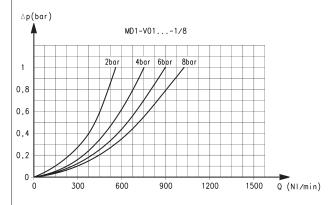


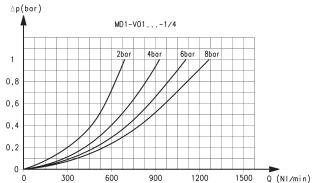
PARTS	MATERIALS	
1 = Body	Polyamide	
2 = Covering	Polyamide	
3 = Plug	Polyamide	
4 = Spool	Anodized aluminium	
5 = End-cover	Polyamide	
6 = Lower spring	Stainless steel	
Seals	NBR	

Products designed for industrial applications.
General terms and conditions for sale are available on www.camozzi.com.



#### FLOW DIAGRAMS for manually operated models





Ports with interchangeable G1/8 threaded cartridges

 $\Delta p$  = Pressure drop

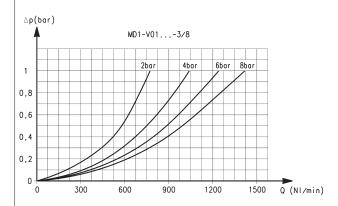
Q = Flow

Ports with interchangeable G1/4 threaded cartridges

 $\Delta p$  = Pressure drop

Q = Flow

# FLOW DIAGRAM for manually operated models



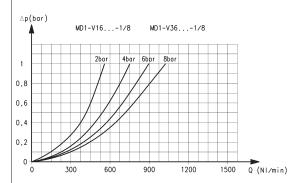
Ports with interchangeable G3/8 threaded cartridges

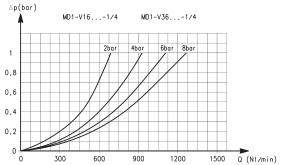
 $\Delta p$  = Pressure drop

Q = Flow



#### FLOW DIAGRAMS for electro-pneumatically or pneumatically operated models





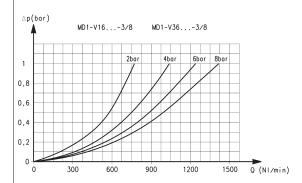
Ports with interchangeable G1/8 threaded cartridges

 $\Delta p$  = Pressure drop Q = Flow

Ports with interchangeable G1/4 threaded cartridges

 $\Delta p$  = Pressure drop Q = Flow

# FLOW DIAGRAM for electro-pneumatically or pneumatically operated models



Ports with interchangeable G3/8 threaded cartridges

 $\Delta p$  = Pressure drop Q = Flow