

## Direct solenoid and solenoid pilot operated valves NAMUR Interface

Function	Port size	Flow [Max]	Individual mounting
<b>5/2</b>	<b>G1/8" – G1/4"</b>	<b>500 NI/min</b>	<b>Inline – NAMUR Interface</b>


### OPERATIONAL BENEFITS

1. Short stroke solenoid produces high energization shifting force.
2. High force return spring maximizes shifting forces.
3. Built-in wear compensation – valve stroke is shorter than solenoid stroke.
4. Four bonded balanced poppets on a one piece valve stem.
5. End poppets seal first on conical seats and cushion inlet poppet, eliminating cutting.
6. Exhaust seals are not under inlet pressure thus reducing friction.
7. Integral non-rising flow controls available on inline models.
8. Short stroking balanced poppet allows for direct solenoid operation with high shifting forces, minimized friction, fast response and high flow in a small package.



### HOW TO ORDER

#### HOW TO ORDER VALVE

	Inline – NAMUR Interface
	
<b>G1/8"</b>	47A-CC0-Hxxx-xxx
<b>G1/4"</b>	47A-CD0-Hxxx-xxx

#### SOLENOID OPERATOR

**H XX X - X XX**

XX Voltage	X Lead Wire Length	X Manual Operator	XX Electrical Connection
<b>DA</b> 24V=5,2W <b>DB</b> 24V=2,4W <b>DC</b> 24V=1,8W <b>DD</b> 24V=1,0W <b>AA</b> 120V~6,7W	<b>A</b> 45 cm <b>B</b> 60 cm <b>C</b> 90 cm	<b>1</b> Non locking <b>2</b> Locking	<u><b>DC Voltages</b></u> <b>BA</b> Flying leads <b>BC</b> Flying leads w/ light <b>KA</b> Mini plug-in <b>KD</b> Mini plug-in w/ light <u><b>AC Voltages</b></u> <b>KM</b> Mini plug-in w/ rectifier <b>KP</b> Mini plug-in w/ light & rectifier

**MAC VALVES EUROPE, Inc.**

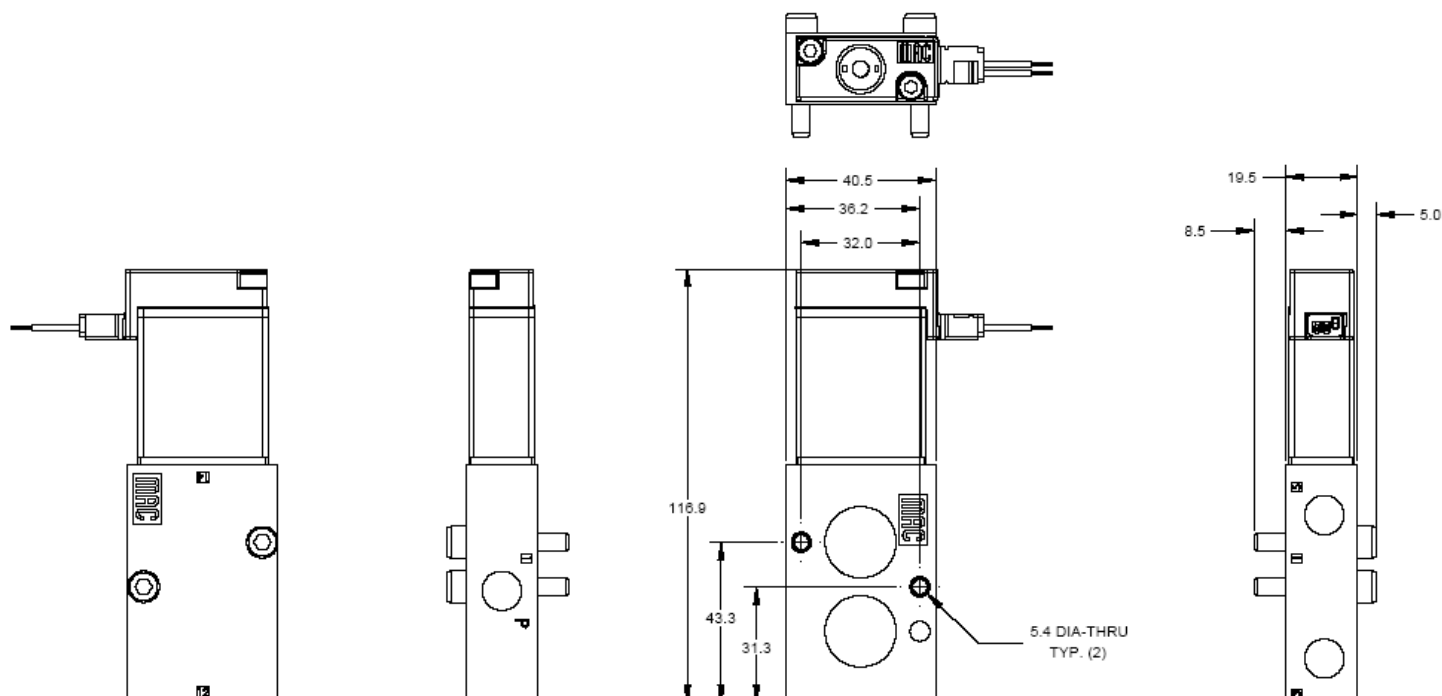
Rue Marie Curie, 12  
4431 ANS (LIEGE)  
BELGIUM

Tel: 32 4 239 68 68 - Fax :+ 32 4 263 19 42

## TECHNICAL DATA

<b>Fluid:</b>	Compressed air, vacuum, inert gases
<b>Pressure range:</b>	Vacuum to 8 bar
<b>Lubrication:</b>	Not required, if used select a medium aniline point lubricant (between 80°C and 100°C)
<b>Filtration:</b>	40µ
<b>Temperature range:</b>	-18°C to +50°C
<b>Orifice:</b>	4,2 mm
<b>Flow (at 6 bar <math>\Delta P=1</math>bar):</b>	Up to 500 NI/min (Cv 0.5)
<b>Voltage range:</b>	-15% to +10% of nominal voltage
<b>Power:</b>	5,2 W – 2,4 W – 1,0 W
<b>Response times:</b> (5,2W coil)	Energize: 17,4 ms De-energize: 3,8 ms

## DIMENSIONS



### MAC VALVES EUROPE, Inc.

Rue Marie Curie, 12  
4431 ANS (LIEGE)  
BELGIUM

Tel: 32 4 239 68 68 - Fax :+ 32 4 263 19 42