JANUS CONTROL VALVES

2/2 PILOT VALVE

The Water Hydraulics Co. Ltd.

Design

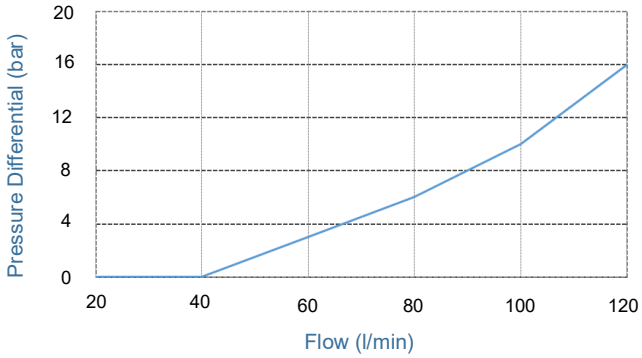
Available in both normally open and normally closed configuration, the 2/2 valve is supplied as a manifold design and therefore can be arranged to offer multiple functions from a single block; reducing cost on expensive fittings and pipe work. Please contact TWHC for manifold options or cavity details.

The pilot section wet pin design solenoid actuator has no dynamic sealing and therefore produces adequate force to directly actuate the valve with an orifice size of 2.5mm up to a maximum working pressure of 160 bar. For lower flow capacity, please see data sheet for the 2/2 directional flow control.

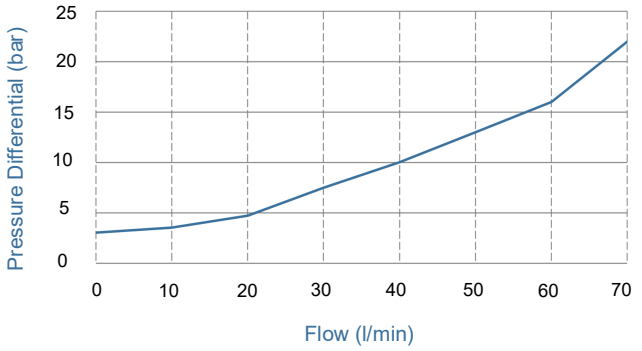
SPECIFICATION		
	DN9	DN25
Max Inlet Pressure	200 Bar	200 Bar
Operating Pressure Range	8 to 160 Bar	8 to 160 Bar
Flow Range	0-60 L/min	0-120L/min
Flow Characteristics	Cv Rate 0.15 Kv Rate 0.17	Cv Rate 2.5 Kv Rate 2.87
Feed Gallery Diameter	9mm	20mm
Porting	3/8" BSPP	1" BSPP
Construction Materials	A.I.S.I 316/Polymer	A.I.S.I 316/Polymer
Solenoid Operation	12 & 24V DC	12 & 24V DC
Media	Water Filtered to 25µm	Water Filtered to 25µm
Temperature Range	1 to 50°C	1 to 50°C

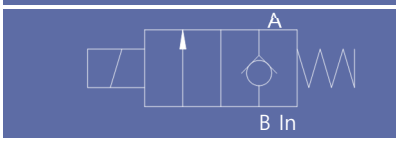
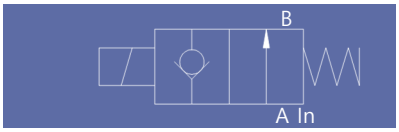
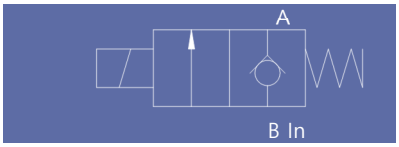


DN25 Fully opened pressure drop against flow rates



DN9 Fully opened pressure drop against flow rates



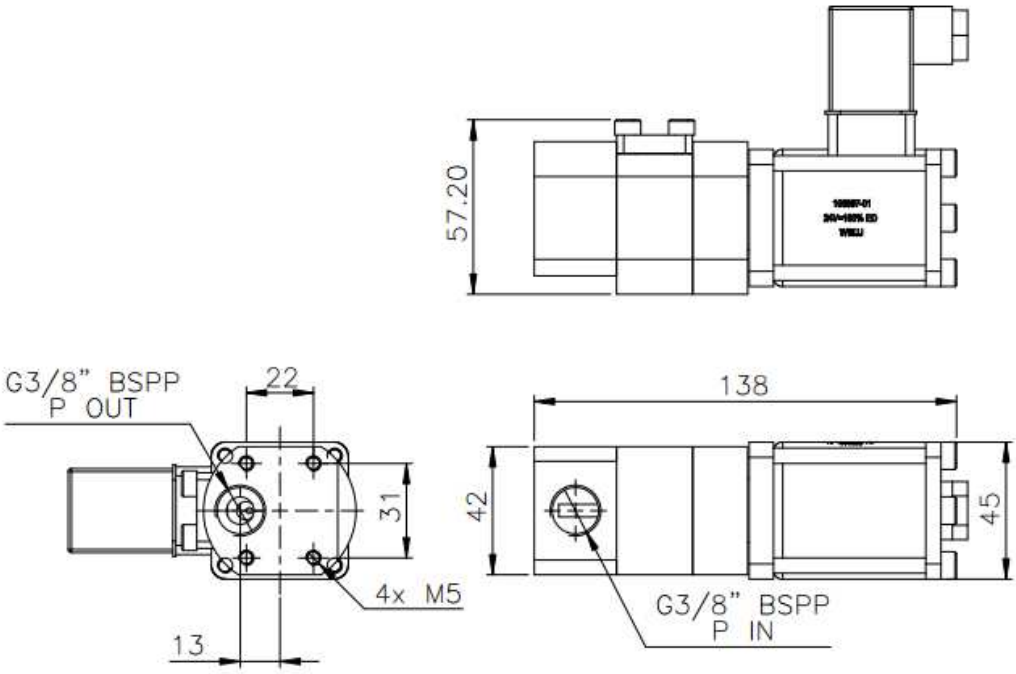
ORDERING CODES	SPRING POSITIONS	PORT ORIFICE	12V DC STAND ALONE	12V DC MANIFOLD MOUNT	24V DC STAND ALONE	24V DC MANIFOLD MOUNT
	N/C	DN9	226CASW	2M26CASW	226COSW	2M26COSW
	N/O	DN9	221CASW	2M21CASW	221COSW	2M21COSW
	N/C	DN25	226FASW	2M26FASW	226FOSW	2M26FOSW
	N/O	DN25	221FASW	2M21FASW	221FOSW	2M21FOSW

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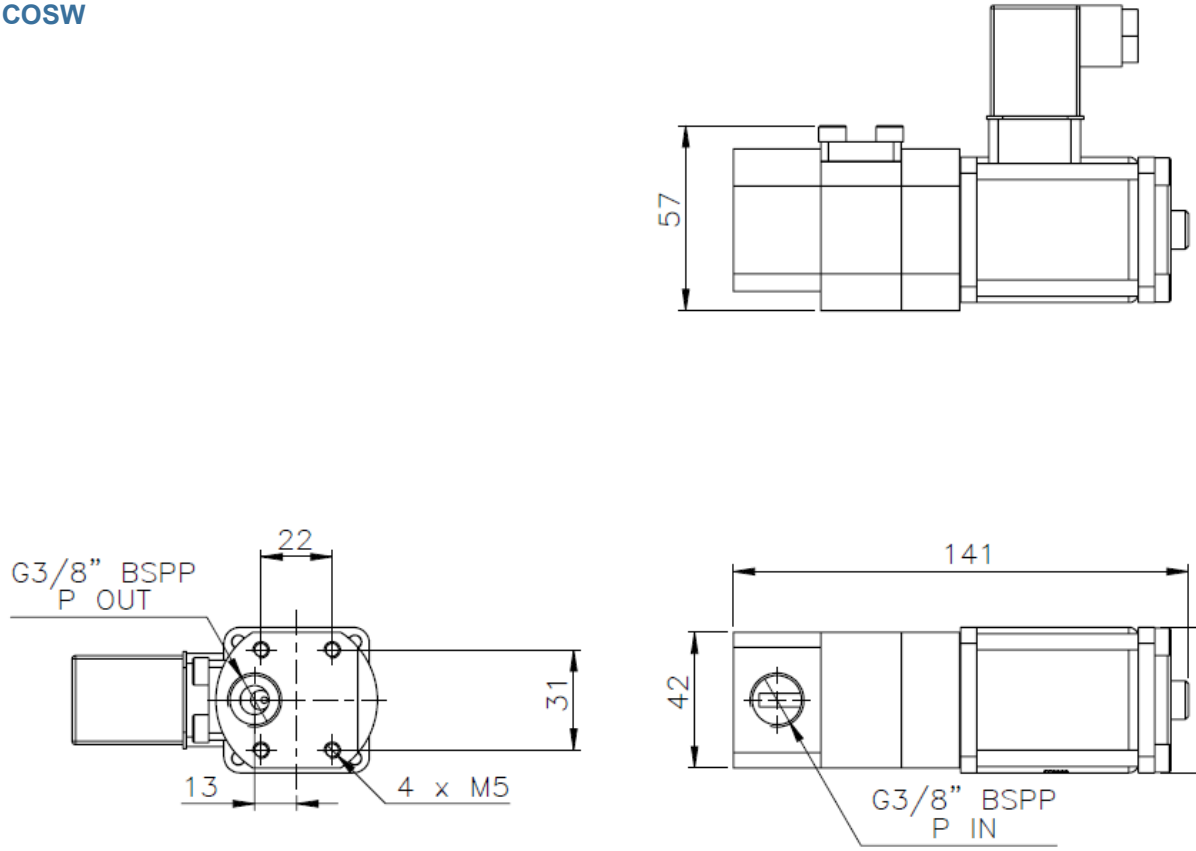
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2/2 PILOT VALVE

226COSW



221COSW

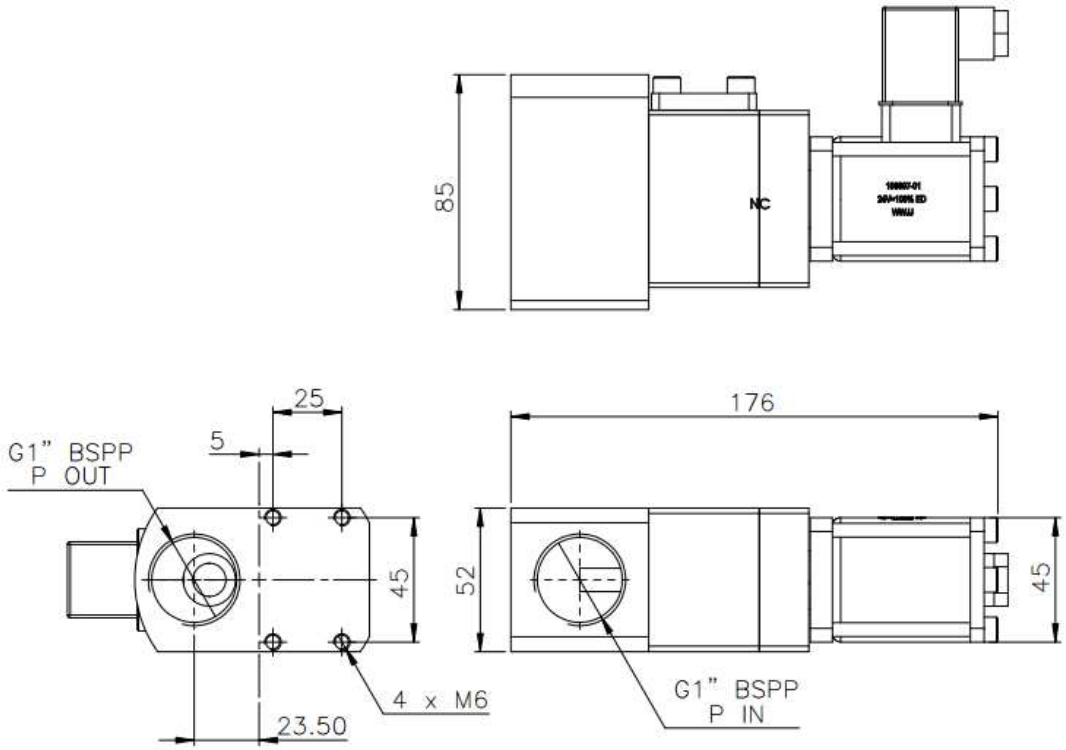


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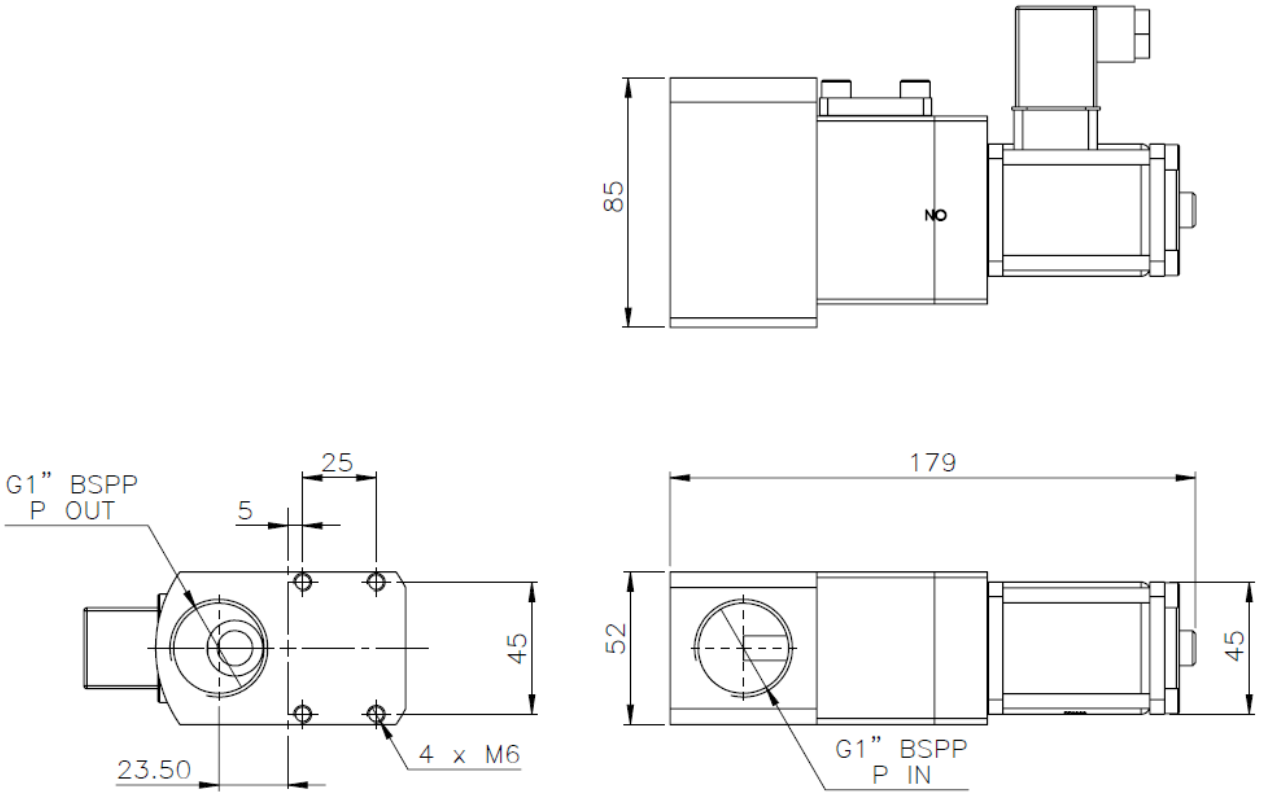
JANUS CONTROL VALVES

2/2 PILOT VALVE

226FOSW



221FOSW



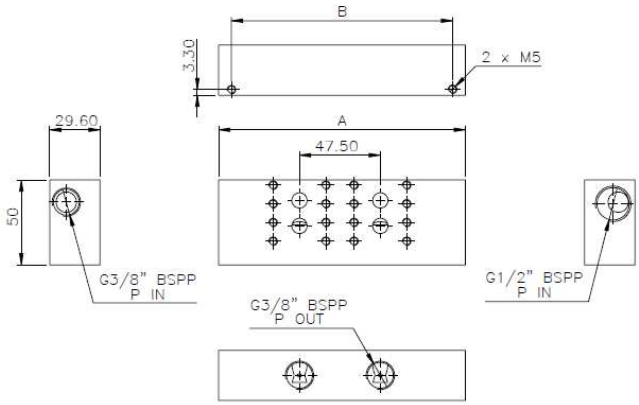
JANUS CONTROL VALVES

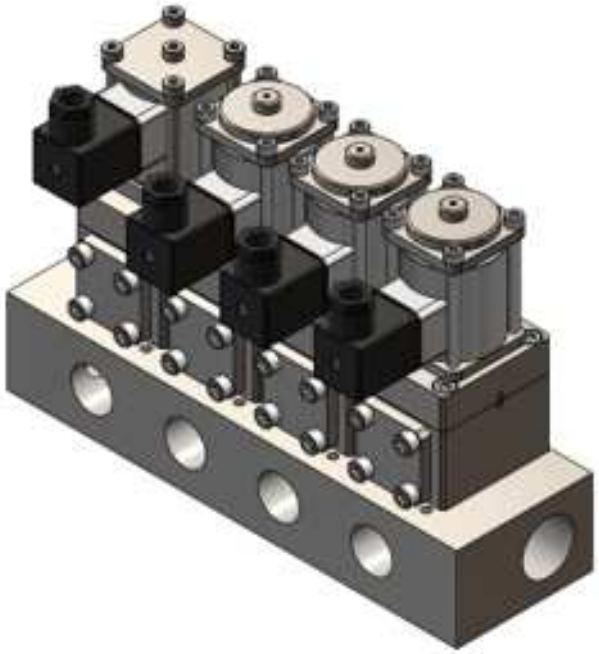
2/2 PILOT VALVE

Available in 1 to 5 stations and produced in 316 stainless steel. The manifolds will accept the 2/2 normally open and normally closed valve configurations in all actuation formations such as solenoid or pilot

DN9

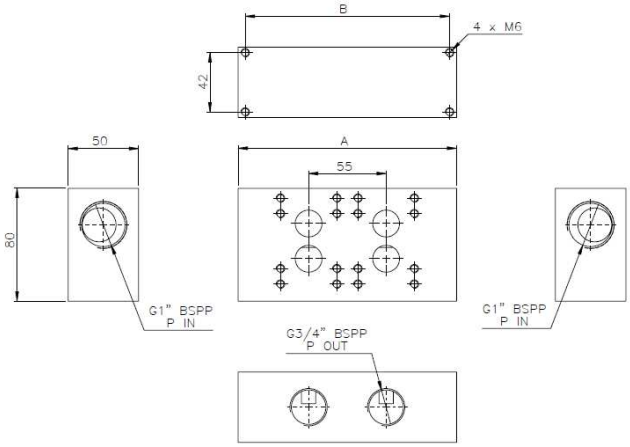
NO. OF STATIONS	1	2	3	4	5
Dimension A	95	145	195	245	295
Dimension B	80	130	180	230	280





DN25

NO. OF STATIONS	1	2	3	4	5
Dimension A	100	155	210	265	320
Dimension B	90	145	200	255	310



Assembly Layout Example

Consisting of:

- 500-026: 4 Station Manifold
- 3 x 2M26FOSW: DN25 Manifold Mounted 2/2 Normally Closed Valve
- 2M21FOSW: DN25 Manifold Mounted 2/2 Normally Open Valve

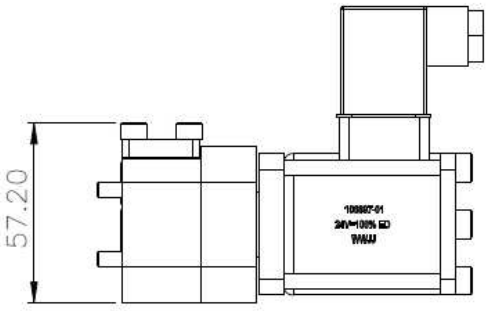
ORDERING CODE	1 STATION	2 STATION	3 STATION	4 STATION	5 STATION
DN9	500-009	500-010	500-011	500-012	500-005
DN25	500-023	500-024	500-025	500-026	500-027

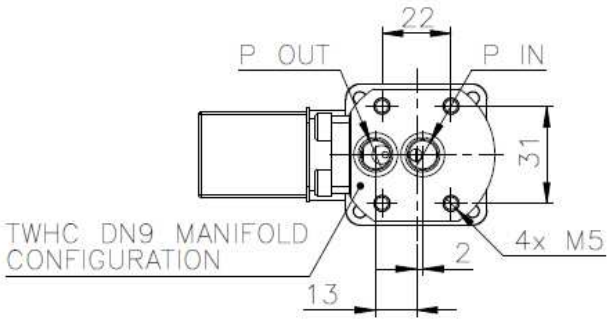
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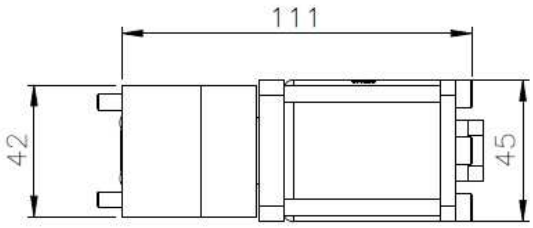
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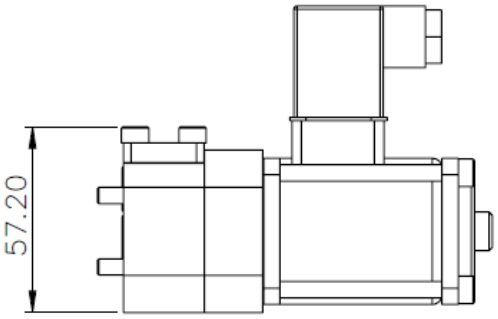
2M26COSW

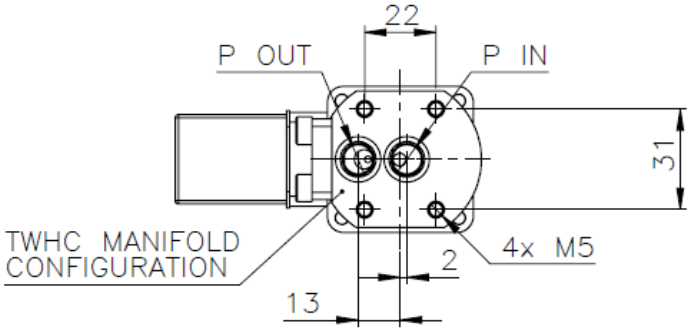


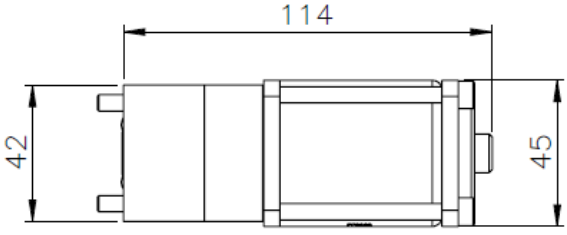




2M21COSW



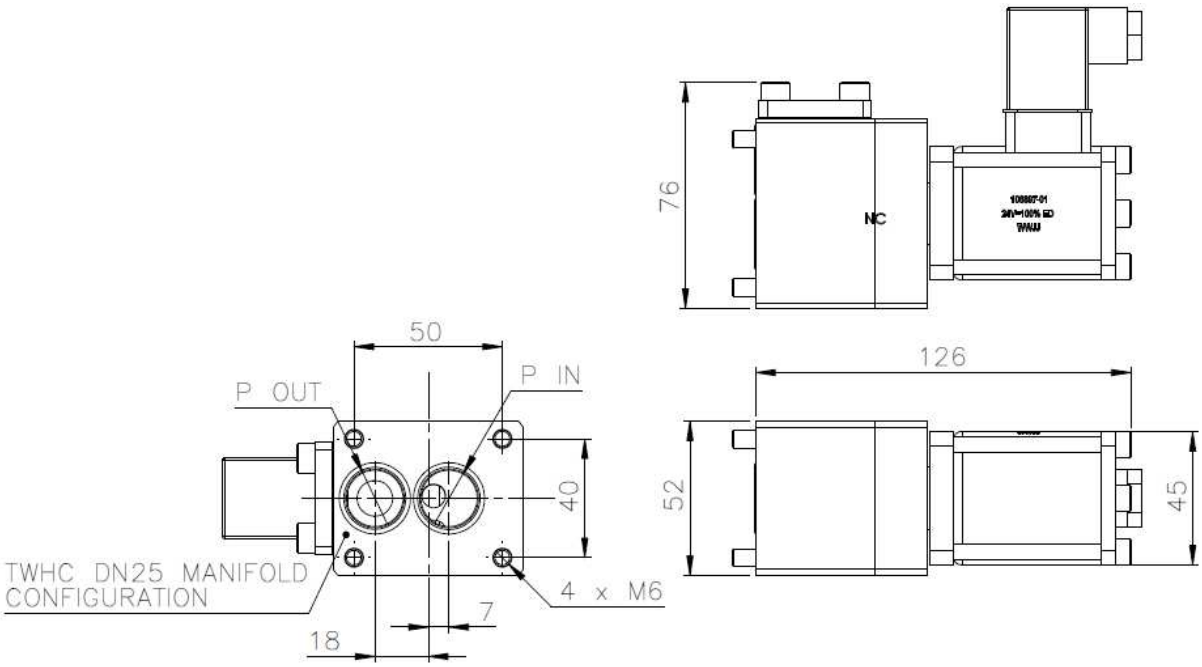




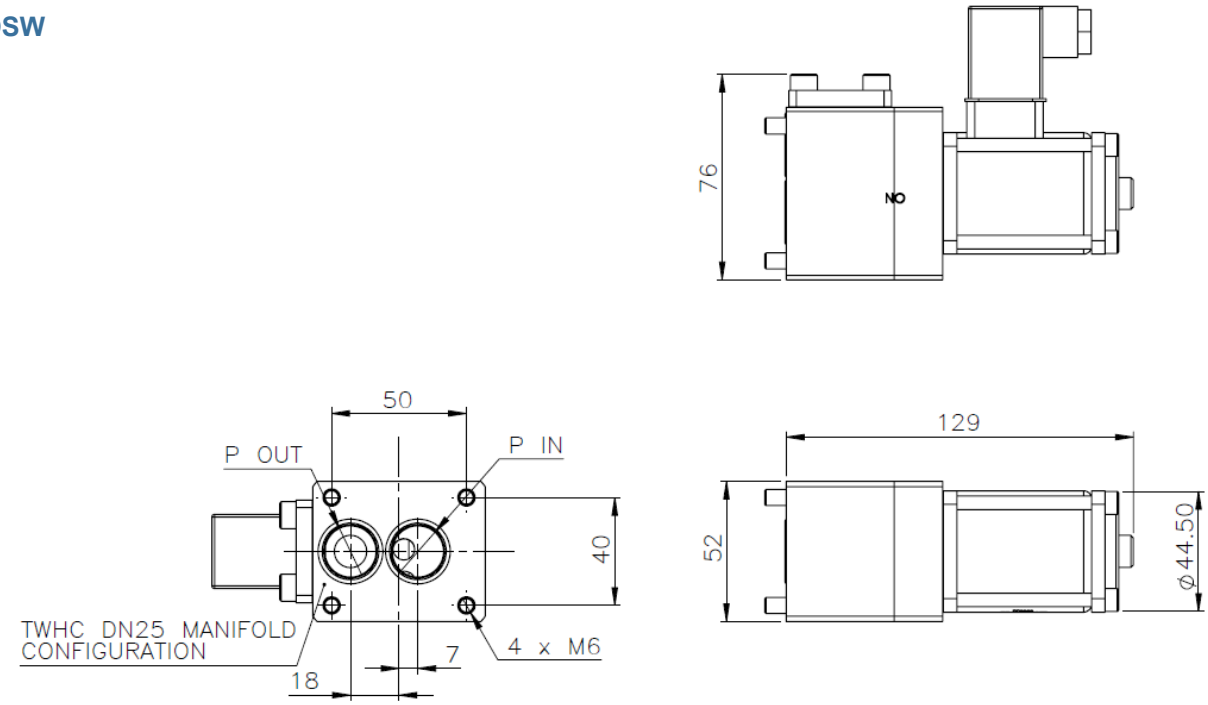
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2M26FOSW



2M21FOSW



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Whilst every endeavour has been made to ensure accuracy, this publication cannot be considered to represent

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