

PNEUMATRON

www.pneumatron.co.za

sales01@pneumatron.co.za

PVPA2XX-420 Series

ELECTRIC MOTOR - 2/2 Way PROPORTIONAL STAINLESS BALL VALVE with FeedBack

PLEASE NOTE

There are Electronic Boards inside these valve actuators and therefore they cannot be mounted on vibrating surfaces or pipes. Mount them on a fixed surface and connect to the generator with rubber hoses.

SPECIFICATIONS:

Media: Compatible media with Stainless Steel, PTFE & EPDM.

Ambient temperature: Minus 15 to 50 Deg C

Media temperature: 2 to 95 Degrees C

Voltages: DC12-24V

Control Signal: 4-20mA STANDARD (0-5V or 0-10V Optional)

Open/Close Time: +/- 12 Seconds

Max. torque: 15Nm

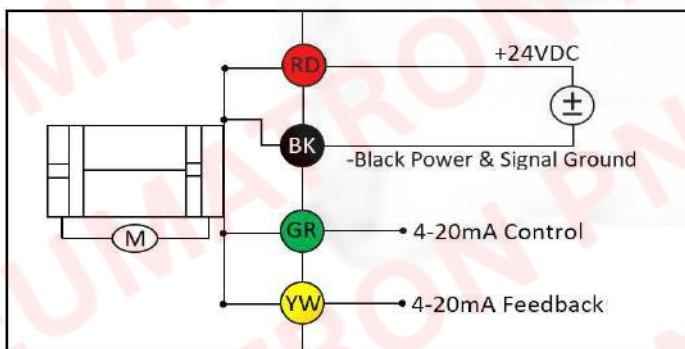
Includes FEEDBACK & MANUAL OVERRIDE

Actuator Protection: IP67



Port & Orifice size	Orifice (mm)	Kv Flow m3/Hour	Pressure Range	Wiring Diagram	Part Number
1 1/2" BSP	38	24.5	0 to 10 Bar	See below diagram	PVPA240-420-420
2" BSP	49	47.5	0 to 10 Bar		PVPA250-420-420

Wiring diagram:



POWER INPUT:

RD (Red wire) connect to +DC9-24V Positive

BK (Black Wire) connect -DC9-24V Negative(0V)

CONTROL SIGNAL INPUT:

GR (Green Wire) Proportional Control Signal
+4 to 20mA(-420 type) (4mA is Closed and 20mA Open)

BK (Black Wire- ALSO Acts as 0V for control)

POSITION FEEDBACK SIGNAL OUTPUT:

YW (Yellow) +4 to 20mA(-420 Type) Feedback signal

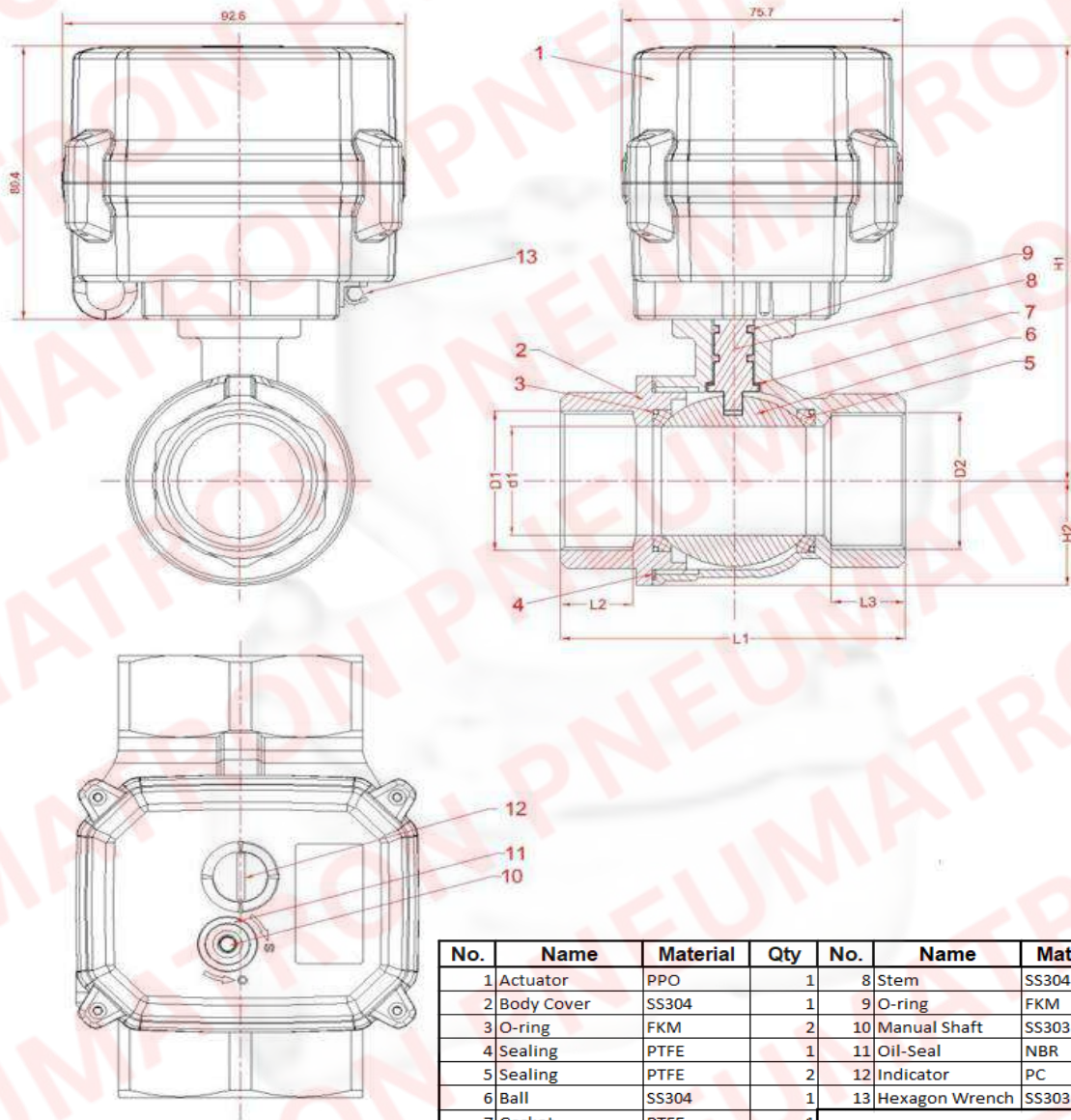
BK (Black Wire- ALSO Acts as 0V for feedback)

PNEUMATRON

www.pneumatron.co.za

sales01@pneumatron.co.za

Dimensions



No.	Name	Material	Qty	No.	Name	Material	Qty
1	Actuator	PPO	1	8	Stem	SS304	1
2	Body Cover	SS304	1	9	O-ring	FKM	2
3	O-ring	FKM	2	10	Manual Shaft	SS303	1
4	Sealing	PTFE	1	11	Oil-Seal	NBR	1
5	Sealing	PTFE	2	12	Indicator	PC	1
6	Ball	SS304	1	13	Hexagon Wrench	SS303	1
7	Gasket	PTFE	1				

BODY DIMENSION CODE(Size in mm)

Valve body	D1/D2	d1	L1	L2/L3	E1	H1	H2
PVPA240-420-420	1 1/2"	38	115	25+/-1	52	130	36
PVPA250-420-420	2"	49	130	25+/-1	66	141.4	44.5