

TitanHP™

MHP7790-002-3

Reagent Selection Valve, 8 Position / 9 Port

Description

The MHP7790-002-3 is an 8-Position, 9-Port valve with PCB assembly is a motorized valve with dynamic sealing surfaces. This selector valve has a common center port that can connect to any one of the radial 8 ports.

Included with the valve is the TitanHP™ driver board programmed for UART control.



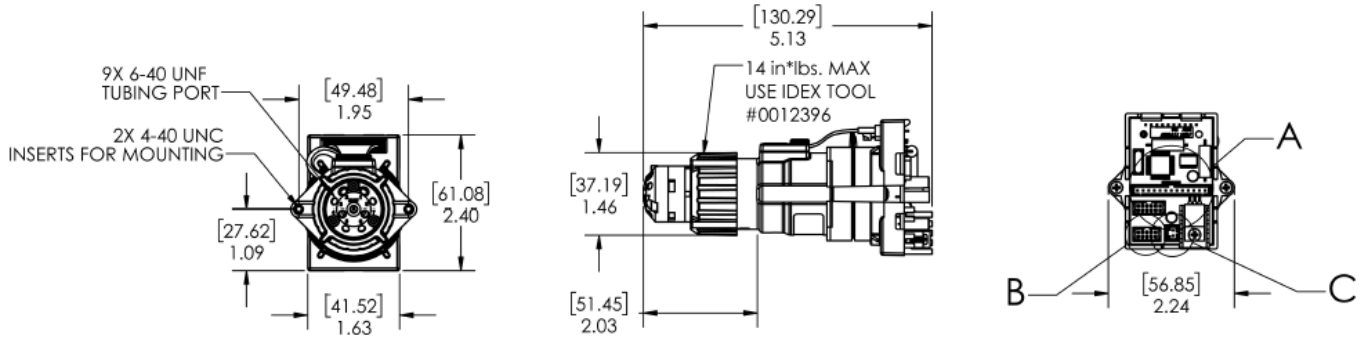
Specifications

- **Liquid Contacts:** PEEK, RPC-7
- **Connections:** Accepts 6-40 male threaded fittings for flat-bottom ports
- **Flow Passage Diameters:** Stator Face Seal: 0.020" (0.51mm), Rotor Seal: 0.022" (0.51mm), PEEK Stator: 0.020" (0.51mm)
- **Port-to-Port Volume:** 5.0µL port-to-port
- **Operating Pressure:** Maximum pressure 40 psi (276 kPa) @ a maximum leak rate of 1µL/min water
- **Operating Humidity:** <95% humidity, non-condensing
- **Shipping and Storage Temperature:** Shipping, storing or operating this valve below 0°C with water in the fluid passages may cause failure of the sealing surfaces.
- **Regulatory REACH and RoHS Compliance Information:** Yes

Dimensional I Drawings

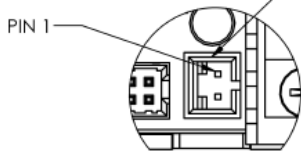
Dimensions are in inches [millimeters]

For Reference Only



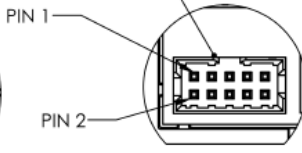
FOR I2C USE THE FOLLOWING PARTS AND CONNECT HERE:
 CONNECTOR: MOLEX P/N 50-57-9413
 TERMINALS: MOLEX P/N 16-02-0097

FOR UART USE THE FOLLOWING PARTS AND CONNECT HERE:
 CONNECTOR: MOLEX P/N 51110-1060
 TERMINALS: MOLEX P/N 50394-8100
 CONNECTOR: MOLEX P/N 0050579402
 TERMINALS: MOLEX P/N 50394-8100



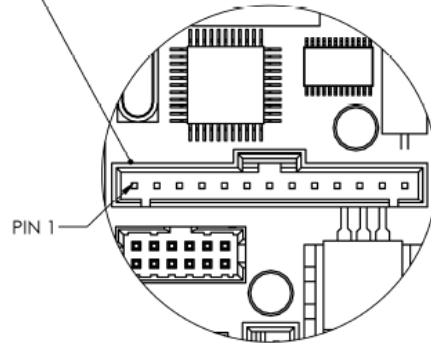
DETAIL C

PIN	SIGNAL
1	GND
2	24VDC



DETAIL B

PIN	SIGNAL
1	SDA
2	SCL
3	+5VDC
4	GND
5	AUX1/PROGD
6	AUX2/PROGC
7	Vpp
8	AUX3
9	TXD
10	RXD



DETAIL A

PIN	SIGNAL
1	GND
2	+24VDC
3	+5VDC
4	GND
5	DONEFB
6	ERRORFB
7	BCD CMD3
8	BCD CMD2
9	BCD CMD1
10	BCD CMD0
11	SDA
12	SCL
13	AUX5