

Valve Automation - DynaMatic

PYHG Series

Clean Water, Air, or Light Oil Applications

3-Way Brass Ball Valve - Pneumatic Actuated

400 PSI CWP

The **DynaMatic PYHG Series** of air actuated three-way brass ball valves offers an excellent option for automated diverter applications requiring rugged yet economical brass. With presized and preassembled actuation packages, selection has never been easier. ISO 5211 direct mounting provides accurate alignment and a more compact size compared to traditional actuator mounting styles. The PYHG Series uses our AP Series pneumatic actuators in both double acting (air/air) and spring return (air/spring). The spring return models can be ordered in either the fail-closed or fail-open configuration. Optional direct mounted pilot solenoid valves reduce response time and allow for

**Standard Port
1/4"-3"**

efficient operation. Other common assembly options include valve position limit switches, pneumatic or electro-pneumatic positioners, and speed controls. PYHG Series valves are presized for 80 PSI minimum air pressure and for clean water, air, or light oil applications only. (PLEASE CALL DynaQuip Customer Service for recommendations and actuator sizing when dirty or severe service applications are needed.)

Pneumatic Actuator details and accessories can be found on pages 28 and 29.

- Forged Brass Body
- Chrome-Plated Brass Ball
- 3 Way "L" Pattern Diverter Ball Valve
- NPT Female Threaded Ends
- RTFE Seats
- Viton® Stem Seals



Double Acting		With Double Acting Actuators	Asmb. with 115 VAC Solenoid	Asmb. with 24 VAC Solenoid	Asmb. with 24 VDC Solenoid	Asmb. with 12 VDC Solenoid
Size	Pressure PSI*	DynaQuip Model Number	DynaQuip Model Number	DynaQuip Model Number	DynaQuip Model Number	DynaQuip Model Number
1/4"	400	PYHG1AUD01	PYHG1AUD01A	PYHG1AUD01A2	PYHG1AUD01A3	PYHG1AUD01A4
3/8"	400	PYHG2AUD01	PYHG2AUD01A	PYHG2AUD01A2	PYHG2AUD01A3	PYHG2AUD01A4
1/2"	400	PYHG3AUD01	PYHG3AUD01A	PYHG3AUD01A2	PYHG3AUD01A3	PYHG3AUD01A4
3/4"	400	PYHG4AUD01	PYHG4AUD01A	PYHG4AUD01A2	PYHG4AUD01A3	PYHG4AUD01A4
1"	400	PYHG5AUD02	PYHG5AUD02A	PYHG5AUD02A2	PYHG5AUD02A3	PYHG5AUD02A4
1 1/4"	400	PYHG6AUD02	PYHG6AUD02A	PYHG6AUD02A2	PYHG6AUD02A3	PYHG6AUD02A4
1 1/2"	400	PYHG7AUD02	PYHG7AUD02A	PYHG7AUD02A2	PYHG7AUD02A3	PYHG7AUD02A4
2"	400	PYHG8AUD05	PYHG8AUD05A	PYHG8AUD05A2	PYHG8AUD05A3	PYHG8AUD05A4
2 1/2"	400	PYHG9AUD05	PYHG9AUD05A	PYHG9AUD05A2	PYHG9AUD05A3	PYHG9AUD05A4
3"	400	PYHGAUD05	PYHGAUD05A	PYHGAUD05A2	PYHGAUD05A3	PYHGAUD05A4

Fail Close		With Spring Return (FC)	Asmb. with 115 VAC Solenoid	Asmb. with 24 VAC Solenoid	Asmb. with 24 VDC Solenoid	Asmb. with 12 VDC Solenoid
Size	Pressure PSI*	DynaQuip Model Number	DynaQuip Model Number	DynaQuip Model Number	DynaQuip Model Number	DynaQuip Model Number
1/4"	400	PYHG1AUS024	PYHG1AUS024A	PYHG1AUS024A2	PYHG1AUS024A3	PYHG1AUS024A4
3/8"	400	PYHG2AUS024	PYHG2AUS024A	PYHG2AUS024A2	PYHG2AUS024A3	PYHG2AUS024A4
1/2"	400	PYHG3AUS024	PYHG3AUS024A	PYHG3AUS024A2	PYHG3AUS024A3	PYHG3AUS024A4
3/4"	400	PYHG4AUS024	PYHG4AUS024A	PYHG4AUS024A2	PYHG4AUS024A3	PYHG4AUS024A4
1"	400	PYHG5AUS054	PYHG5AUS054A	PYHG5AUS054A2	PYHG5AUS054A3	PYHG5AUS054A4
1 1/4"	400	PYHG6AUS054	PYHG6AUS054A	PYHG6AUS054A2	PYHG6AUS054A3	PYHG6AUS054A4
1 1/2"	400	PYHG7AUS054	PYHG7AUS054A	PYHG7AUS054A2	PYHG7AUS054A3	PYHG7AUS054A4
2"	400	PYHG8AUS074	PYHG8AUS074A	PYHG8AUS074A2	PYHG8AUS074A3	PYHG8AUS074A4
2 1/2"	400	PYHG9AUS074	PYHG9AUS074A	PYHG9AUS074A2	PYHG9AUS074A3	PYHG9AUS074A4
3"	400	PYHGAUS074	PYHGAUS074A	PYHGAUS074A2	PYHGAUS074A3	PYHGAUS074A4

Fail Open		With Spring Return (FO)	Asmb. with 115 VAC Solenoid	Asmb. with 24 VAC Solenoid	Asmb. with 24 VDC Solenoid	Asmb. with 12 VDC Solenoid
Size	Pressure PSI*	DynaQuip Model Number	DynaQuip Model Number	DynaQuip Model Number	DynaQuip Model Number	DynaQuip Model Number
1/4"	400	PYHG1AUS024F	PYHG1AUS024FA	PYHG1AUS024FA2	PYHG1AUS024FA3	PYHG1AUS024FA4
3/8"	400	PYHG2AUS024F	PYHG2AUS024FA	PYHG2AUS024FA2	PYHG2AUS024FA3	PYHG2AUS024FA4
1/2"	400	PYHG3AUS024F	PYHG3AUS024FA	PYHG3AUS024FA2	PYHG3AUS024FA3	PYHG3AUS024FA4
3/4"	400	PYHG4AUS024F	PYHG4AUS024FA	PYHG4AUS024FA2	PYHG4AUS024FA3	PYHG4AUS024FA4
1"	400	PYHG5AUS054F	PYHG5AUS054FA	PYHG5AUS054FA2	PYHG5AUS054FA3	PYHG5AUS054FA4
1 1/4"	400	PYHG6AUS054F	PYHG6AUS054FA	PYHG6AUS054FA2	PYHG6AUS054FA3	PYHG6AUS054FA4
1 1/2"	400	PYHG7AUS054F	PYHG7AUS054FA	PYHG7AUS054FA2	PYHG7AUS054FA3	PYHG7AUS054FA4
2"	400	PYHG8AUS074F	PYHG8AUS074FA	PYHG8AUS074FA2	PYHG8AUS074FA3	PYHG8AUS074FA4
2 1/2"	400	PYHG9AUS074F	PYHG9AUS074FA	PYHG9AUS074FA2	PYHG9AUS074FA3	PYHG9AUS074FA4
3"	400	PYHGAUS074F	PYHGAUS074FA	PYHGAUS074FA2	PYHGAUS074FA3	PYHGAUS074FA4

*Actuator sized for 300 psid.