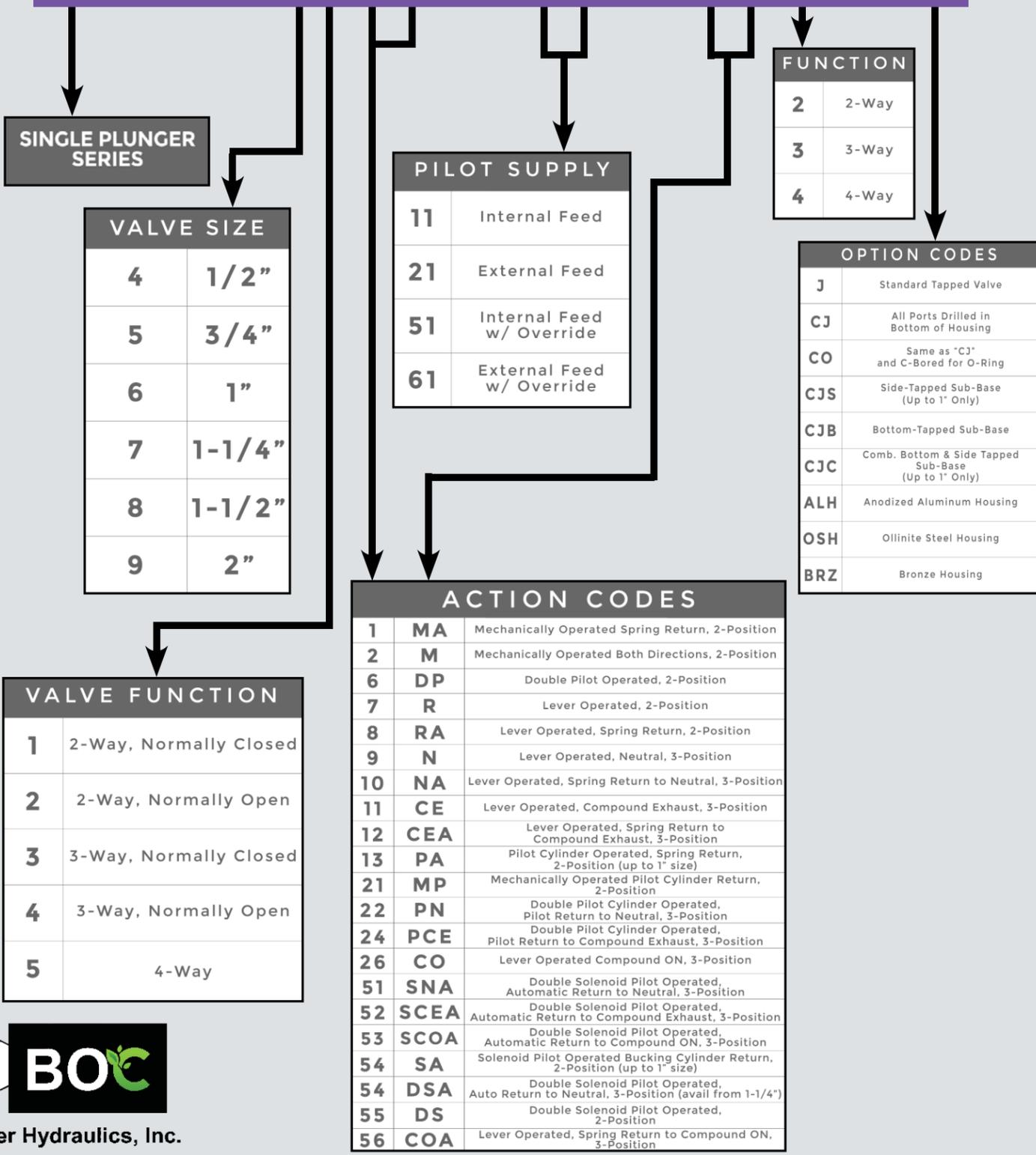


ORDERING INFORMATION

SPV - 4355 - 51 - DS3 - J



BOC WATER HYDRAULICS
SINGLE PLUNGER VALVES SPV SERIES



Water Hydraulics, Inc.



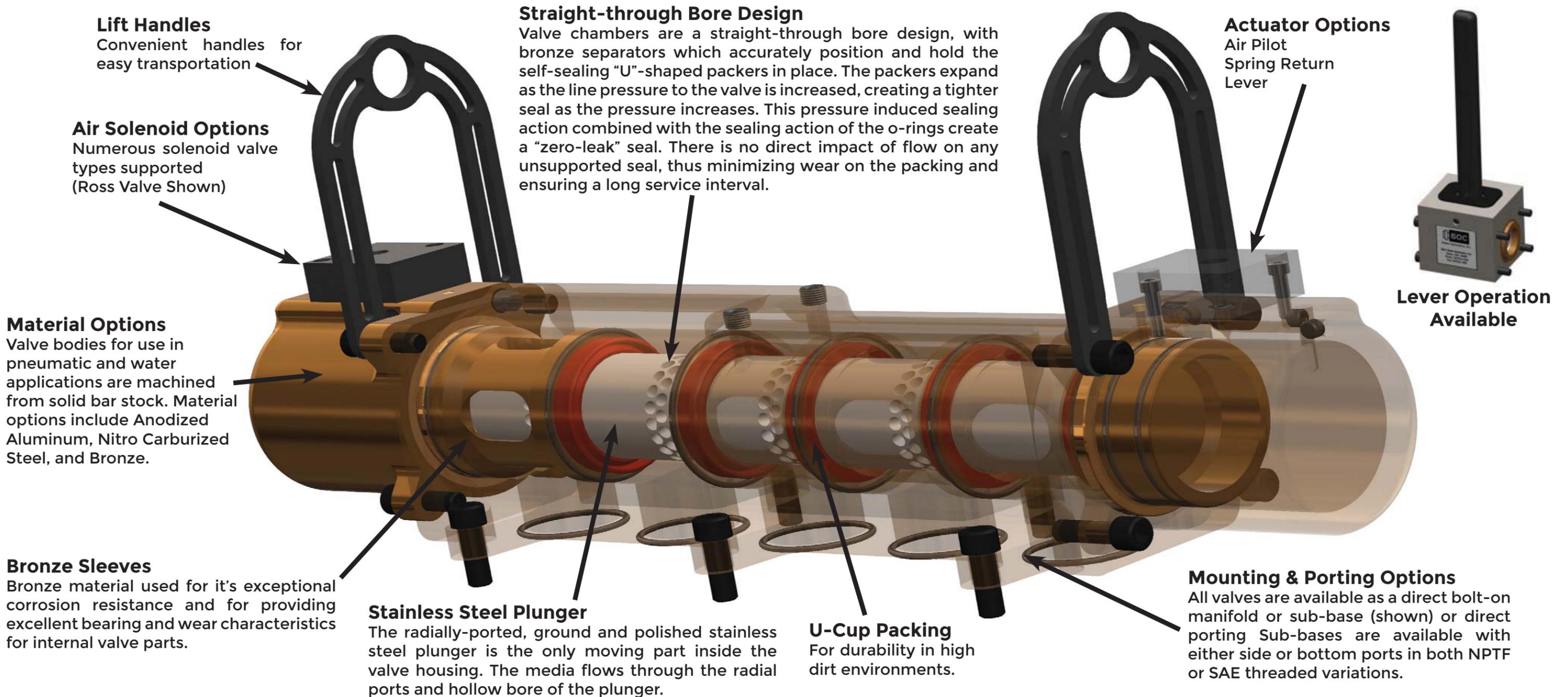
12024 SALEM WARREN ROAD
 PO BOX 1028
 SALEM, OHIO 44460
WWW.BOCWATERHYDRAULICS.COM



SPV VALVES

SINGLE PLUNGER DIRECTIONAL CONTROL VALVES

The SPV Series valves were developed to provide the industry with an improved line of full-flow packed-spool valves to meet virtually any control requirement. Designed for use with air, water or hydraulic fluids with pressures up to 300 psi and temperatures up to 150° F. They are available in 2-Way, 3-Way, and 4-Way operations.



Lift Handles

Convenient handles for easy transportation

Air Solenoid Options

Numerous solenoid valve types supported (Ross Valve Shown)

Material Options

Valve bodies for use in pneumatic and water applications are machined from solid bar stock. Material options include Anodized Aluminum, Nitro Carburized Steel, and Bronze.

Bronze Sleeves

Bronze material used for its exceptional corrosion resistance and for providing excellent bearing and wear characteristics for internal valve parts.

Straight-through Bore Design

Valve chambers are a straight-through bore design, with bronze separators which accurately position and hold the self-sealing "U"-shaped packers in place. The packers expand as the line pressure to the valve is increased, creating a tighter seal as the pressure increases. This pressure induced sealing action combined with the sealing action of the o-rings create a "zero-leak" seal. There is no direct impact of flow on any unsupported seal, thus minimizing wear on the packing and ensuring a long service interval.

Stainless Steel Plunger

The radially-ported, ground and polished stainless steel plunger is the only moving part inside the valve housing. The media flows through the radial ports and hollow bore of the plunger.

U-Cup Packing

For durability in high dirt environments.

Actuator Options

Air Pilot
Spring Return
Lever

Lever Operation Available

Mounting & Porting Options

All valves are available as a direct bolt-on manifold or sub-base (shown) or direct porting. Sub-bases are available with either side or bottom ports in both NPTF or SAE threaded variations.