High Pressure Valve, Bolted Bonnet, OS&Y Construction

86HO for Reflex or Transparent Flat Glass Gages

No. 86HO

* 86HO looks identical to 86H but contains internal O-Rings.

- Working pressure to 10,000 psi
- Reciprocating backseating stem

Jerguson® No. 86HO Valves are designed and manufactured for use with flat glass gages, instrument piping and for other applications requiring a r ugged valve in the higher pressure ranges.

No. 86HO– with Viton® O-Ring between bonnet and body and under renewable seat and drain plug.

Materials

Body	Seat	Stem	Loose Knob	Sleeve
Carbon Stee	l416SS	416SS	Stellite #3 or #6	416SS
316SS	316SS	316SS	Stellite #3 or #6	316SS

Standard Connections

Vessel: 3/4" or 1" male socket or flanged to requirements
Gage:1/2" female socket weld only
Vent/Drain:O-Ring sealed plug, or 1/2" socket weld

PRESSURE RATINGS

Carbon & Stainless Steel Valves
Series 86HO Temperature / Pressure

Temperature		Pressure			
°F	°C	PSI	BarG	Kg/cm²	kPaG
100	38	10000	689.5	703.1	68948
200	93	10000	689.5	703.1	68948
300	149	10000	689.5	703.1	68948
400	204	10000	689.5	703.1	68948

Not recommended for steam service.

STANDARD FEATURES

When a Viton O-Ring is used in place of the spiral wound gasket, this valve is suitable for pressures up to 10,000 PSI at 400ºF. It is designed specifically to be compatible with Jerguson's 10,000 PSI Series 51 Flat Glass Gage.

OS&Y + Backseating Stem:The yoke supports the stem away from the valve body so the threaded portion of the stem is unaffected by the heat and does not come in contact with process fluids. The stem has a backseating area which allows repacking the valve under pressure.

Loose Knob, Backseating Stem: The disc on the stem is keyed and free rotating. This assures perfect seating and eliminates the possibility of galling at the seat. Acme threads are used to assure easy operation. When the stem is backed out to its limit the knob on the stem seats against the bonnet sleeve allowing the stem to be repacked when the valve is under pressure.

Renewable Seat: The seat may be removed or replaced using a standard 3/4" socket wrench. (not regrindable)

Offset Pattern: The 86HO valve body is designed so the gage connection is offset 7/8" from the centerline of the vessel connection. By removing the vent or drain plug, the interior of a top and bottom connected gage may be swabbed without disassembly.