

# GAS HANDLING EQUIPMENT

ARKONIC

EQUIPMENT

## INSTRUMENTATION VALVES

### Series HSG-BV High Pressure Instrumentation Ball Valve

The HSG-BV6800 Series is a high pressure instrumentation ball valve for general service and instrumentation panels. The valves offer tight shut-off\*, long life service and low operating torque. The H6800 Series is rated to max. 6000 psig (410bar) and performs on-off or diverter service.

\*Only Straight and Angle patterns



#### FEATURES

- On/off service ball valve with 2-way pattern
- Diverter service ball valve with 3-way pattern
- Stainless Steel or Brass construction
- MAWP 6000psi (410bar)
- MAWT 400°F (204°C)
- Flow coefficient (Cv): 0.05 to 7.02
- Variable end connection types and sizes from 1/16" to 3/4"
- Operates with colored nylon handle, metal handle or colored metal \*ISLT (locking device)

### Series HSG-NV Integral Bonnet Needle Valve

The HSG-NV300 Series is a high pressure instrumentation needle valve for shut-off service on instrumentation panels.

The valves offer compact structure with the ability for relatively high flow regulating and long life service. The H300 Series is rated to max. 5000 psig (340 bar) and performs on-off service.



#### FEATURES

- Straight and angle pattern
- Stainless Steel or Brass Construction
- MAWP 5000 psi (340 bar)
- MAWT 815°F (435°C)
- Flow coefficient (Cv): 0.09 to 1.8
- Variable end connection types and size from 1/8" to 3/4"
- Round and metal handles
- Variable stem range

### Series HSG-DK Diaphragm Valve

The HSG-DK Series is an economical, general purpose diaphragm valve. Available in 316L Stainless Steel or Brass. Standard construction includes an Elgiloy® diaphragm and an outboard metal-to-metal seal. Actuation is by a multi-turn handwheel.



#### FEATURES

- High cycle life
- Positive, consistent shutoff
- The closed position does not vary with the life of the product
- Low internal volume
- Metal-to-metal seal
- Available in a variety of connection options

### Series HSG-HDK High Flow Diaphragm Valve

The HSG-HDK Series is a high quality, high flow diaphragm valve. Its aero-dynamic passage is ideally suited for use when flowing large volumes of corrosive and non-corrosive liquids and gases.



#### FEATURES

- 0.55Cv flow capacity
- 0.48Cv flow capacity for lever versions
- Ideal for high flow applications
- Fully functional from vacuum to 125 psig for AOP valve and 250 psig for manual valves
- Cleaned for oxygen service
- No springs in wetted area
- High cycle life (including corrosive service)
- 100% leak tested
- Metal-to-metal seal
- Positive shut off