

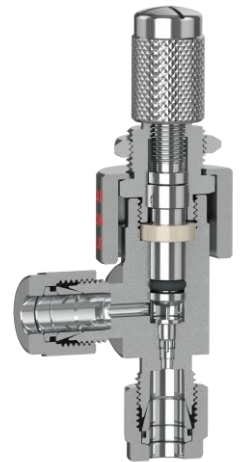
DAV-H-1300  
Date

## H-1300 series

### Metering Valve

#### **SUMMARY**

The H-1300 Series is a moderate-pressure, instrumentation flow, regulating needle valve. It is generally used for instrumentation panels, sampling systems and accurate flow applications. The valves are compact in size and structure and offer reliable low and moderate flow regulation with long service life.



#### **Features & Benefits**

- ✓ Forged-body 316 St.St. or Brass construction options
- ✓ Straight and Angle Patterns fit for panel mounting
- ✓ MAWP 2000 psi for HXF and 1000 psi for H, HF
- ✓ MAWT 400°F (204°C)
- ✓ Flow coefficients (Cv) from 0.004 to 0.15
- ✓ Round & Slotted Handles with Screwdriver Slots and Vernier handle
- ✓ LET-LOK® Ends, Male & Female NPT, HTC, Face Seal bead end connections
- ✓ 1°, 3° and 5° Stem taper for required flow control
- ✓ Stem with Stopper Shoulder for maximum service life

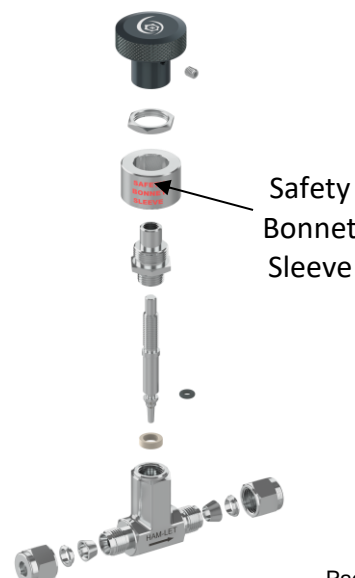
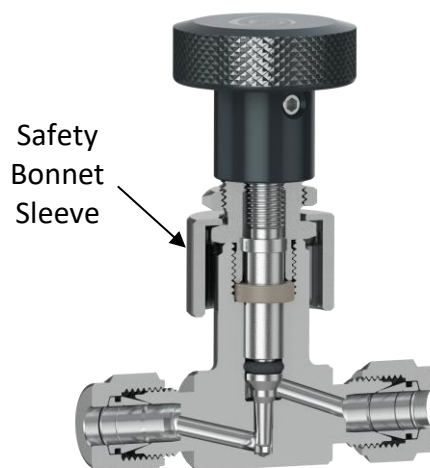
## Differentiation Advantage Value

#### **Safety Bonnet Sleeve**

**D:** H-1300 series have 3-types of design H, HF and HXF. Each type has Safety Bonnet Sleeve, that prevents access to the bonnet release from body. Other competitors do not have any element which protects the bonnet.

**A:** With no physical protection on the bonnet, there is a potential for the bonnet and loosening damaging the calibration of the stem.

**V:** Prevents system malfunctions. Minimize the risk of accidental operation.



***Metal Slotted Handle***

**D:** All standard H-1300 series, delivered with Metal slotted handle as default. Other options available, pending customer request. On the top of the slotted handle there's an X shaped notch that enable easy tooling access. Most of other manufacturers are offering handles without easy access adjustment.

**A:** Fast access for installations with slotted handle use.

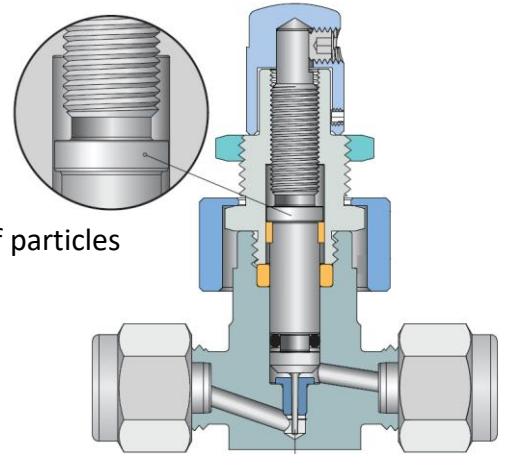
**V:** Reducing system down-time, easy maintenance, easy operation.

***Stem Upper Shoulder***

**D:** Additional stem upper shoulder on the H-1300 series (for safe full opening), in order to prevent locking between the stem and bonnet.

**A:** The design of the upper shoulder prevents the creation of particles that's formed by metal to metal contact, these particles can effect the function of the valve and damage the O-ring.

**V:** lower service cost, prevent process contamination, longer service life.

***Double protection on orifice***

**D:** HXF-1300 have two types of protection on the orifice. Guide ring and the stem ring. Other manufacturers products offer only with guide ring.

**A:** Guide ring is a static ring, that prevents the stem losing its location when the stem moves. The Stem ring moves with the stem and keeps the stem concentric to the orifice.

**V:** Easy maintenance, higher reliability, improved performance.

