

## ANDERSON GREENWOOD SERIES HM25D HAND VALVES

A globe pattern valve with a  $\frac{7}{16}$ " (11 mm) bore for pressures to 10000 psig (689 barg)



### FEATURES

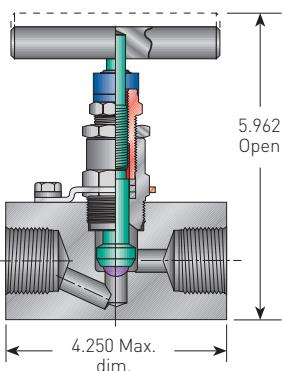
- Rotating ball stem tip provides bubble-tight shutoff and ensures long valve life.
- Large handle ensures ease of operation.
- All valves are hydrostatically tested prior to shipment. Material traceability on all wetted parts is standard.
- PTFE or graphite packing is easily adjustable in the field.
- All packing is below the threads to eliminate contamination by the process, ensure smooth valve operation and long service life.
- Safety back seating prevents accidental stem blowout and removal under pressure.
- Standard bonnet lock plate prevents accidental removal under pressure.
- Wide variety of inlet and outlet configurations and materials.
- Factory configuration to a wide variety of manufacturers' tube fittings.

### GENERAL APPLICATION

The HM25D is suitable for severe service, high pressure/temperature applications and features a Cv rating of 1.95, which allows for high flow capacities. Its globe pattern construction allows for throttling of the most severe services.

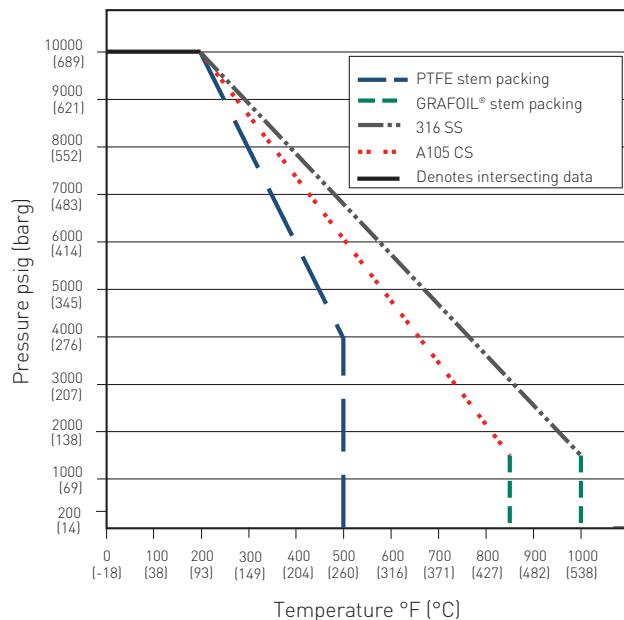
### TECHNICAL DATA

Materials:	CS, SS
Seat:	Metal
Connections	
Inlet:	$\frac{3}{4}$ " to 1" NPT or socket weld
Outlet:	$\frac{3}{4}$ " to 1" NPT or $\frac{1}{2}$ " to 1" socket weld
Pressure (max.):	10000 psig (689 barg)
Temperature (max.):	1000°F (538°C)



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## PRESSURE VS TEMPERATURE RATINGS



## BONNET ASSEMBLY

The metal-seated bonnet assembly has a strengthened rotating stem with a non-rotating ball stem tip for long service life. The stem threads are machined and lubricated to prevent galling and reduce operating torque. It incorporates adjustable Grafoil packing and back-up pressure rings to ensure a leak-free stem seal as standard, with PTFE packing as an option. The specially hardened ball seat is ideal for both gas and liquid service. A protective dust cap is fitted to contain stem lubricant and prevent the influx of contaminants. All bonnets are assembled with a bonnet lock plate to prevent accidental removal while in service.

## SELECTION GUIDE

### Example:

HM25D S 8 PID H SG

### Materials of construction

**S** SS - 316/316L (meets NACE MR0175 latest revision with needle stem end)  
**C** CS - carbon steel (A108CS)

(Other construction materials available - consult factory)

### Inlet/outlet connections

**Standard threaded connections**  
**6** 3/4" FNPT x 3/4" FNPT  
**66** 3/4" MNPT x 3/4" FNPT  
**8** 1" FNPT x 1" FNPT  
**88** 1" MNPT x 1" MNPT

**Standard socketweld (pipe)**  
**MS66S** 3/4" MSW x 3/4" FSW  
**MS64S** 3/4" MSW x 1/2" FSW  
**FS66S** 1" FSW x 1" FSW  
**MS88S** 1" MSW x 1" FSW

### Stem tip

**PID** Rotating ball tip stem end

### Packing

**V** PTFE  
**H** Grafoil®

### Special options

**SG** Sour Gas meets the requirements of NACE MR0175 latest revision  
**OC00** Cleaned for oxygen service  
**TF** Installed tube fittings

### NOTE

All seats on HM25D Series are integral - no nomenclature designation required.