



HANSEN TECHNOLOGIES  
CORPORATION

## REFRIGERANT

STAINLESS STEEL STEMS • LOW PRESSURE DROP • RUGGED, COMPACT DESIGN

## SHUT-OFF

PATENTED O-RING PLUS PACKING STEM SEALING • LEAD-FREE SEATS

## VALVES



Hansen's state-of-the-art shut-off valves are designed specifically for use in industrial ammonia and large commercial halocarbon refrigeration systems.

Hansen valves feature an exclusive dual stem-seal design that virtually eliminates refrigerant leakage possibility. Hansen valves are popular world-wide wherever quality matters.





# REFRIGERANT SHUT-OFF VALVES

**Refrigerant shut-off valves must be reliable and durable.**

**That is why every Hansen valve is individually tested on a sensitive leak detection system before it leaves the factory. This helps to ensure bubble-tight seating, valve body integrity, and worry-free installation.**

**Over the years, Hansen's rugged—but not heavy—valves have proven to be strong and dependable components in refrigerated plants and packaged equipment throughout the world.**

**Hansen is able to provide these superior quality valves at competitive prices by carefully executing valve design details, utilizing state-of-the-art machine tools and manufacturing processes, and making a strong commitment to ISO9000 quality assurance.**

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handwheel or seal cap interchangeable

## FEATURES

strong body

rising stems indicate valve seat position

back-seating design

weld ends machined

various connection styles available

leak-free dual stem sealing

stainless steel stems

seat disc made of Teflon—no lead

ball bearing seat swivel

dirt resistant taper (conical) seat



## SELECTION

- ▶ globe or angle
- ▶ handwheel or seal cap
- ▶ connection sizes:  $\frac{1}{8}$ "-16" (10 to 400mm)
- ▶ connection styles: threaded, socket weld, butt weld

### THREADED

- ▶  $\frac{1}{4}$ "-1 $\frac{1}{4}$ " NPT
- ▶ ductile iron body (GGG,40)

### SOCKET WELD

- ▶  $\frac{1}{2}$ "-2 $\frac{1}{2}$ " (15 to 65 mm)
- ▶ steel body

### BUTT WELD

- ▶ 1 $\frac{1}{2}$ "-16" (40 to 400mm)
- ▶ cast steel body

## SPECIFICATIONS

- ▶ suitable for ammonia, R22, R134a, and other Hansen-approved refrigerants
- ▶ safe working pressure: 400 psig (27 bar)
- ▶ temperature range: -60°F to +240°F (-50°C to +115°C), temperatures below -60°F (-50°C) at lower pressures
- ▶ stainless steel stems
- ▶ high flow and low pressure drop
- ▶ seat discs made of Teflon—no lead
- ▶ pressure envelope of carbon steel & ductile iron

## OTHER HAND VALVES

### HAND EXPANSION (REGULATING) VALVES

- ▶ characterized (slotted) plugs
- ▶  $\frac{1}{2}$ "-4" (10 to 100mm)
- ▶ globe or angle
- ▶ bar handle or seal cap (yellow)
- ▶ threaded:  $\frac{1}{2}$ "-1 $\frac{1}{4}$ "; socket weld:  $\frac{1}{2}$ "-2 $\frac{1}{2}$ "; butt weld: 1 $\frac{1}{2}$ "-4"

### GAUGE, PURGE & NEEDLE VALVES

- ▶ globe or angle forged steel body
- ▶ stainless steel safety stems
- ▶  $\frac{1}{4}$ " and  $\frac{3}{8}$ " NPT (National Pipe Thread)
- ▶ seal cap, bar handle, or bare stem
- ▶ Long Neck<sup>®</sup> version available for gauge turning clearance
- ▶ male x female
- ▶ female x female

### THREADED



### SOCKET WELD



### BUTT WELD



### HAND EXPANSION (REGULATING) VALVES



### GAUGE, PURGE & NEEDLE VALVES



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