



HANSEN TECHNOLOGIES
CORPORATION

REFRIGERANT

STRONG DUCTILE IRON BODIES • STAINLESS STEEL SPRINGS • TEFLON SEATS

PRESSURE

DIRT-WIPING PISTON SEALS • 100% FUNCTION AND PRESSURE TESTED

REGULATORS



Hansen's pressure regulators are designed specifically for use in industrial and large commercial refrigeration systems.

Hansen combines high performance materials and proven engineering design with intense quality control to bring you the best choice for refrigerant pressure regulators.



REFRIGERANT PRESSURE REGULATORS

Hansen's complete line of modular pressure regulators performs

reliably, even in oil-free, dry-running systems and dirty conditions. Design advantages include dirt-wiping, low-friction disc-pistons with energized Teflon piston seals that are proven to combat valve sticking better than full-skirted pistons.

Hansen pressure regulators are designed to withstand the rigors of today's industrial refrigeration applications.

These pressure regulators incorporate materials that surpass US and European codes and standards.

REGULATOR VARIATIONS

Many variations can be made from a main valve by adding control modules (pilots).

- inlet pressure
- outlet pressure
- differential pressure
- electric close
- electric wide open
- dual pressure
- reseating relief
- pneumatically compensated
- temperature operated
- electronically controlled
- electric motor compensated
- PLUS other variations and combinations

Engineered with a compact and rugged design, Hansen regulators are manufactured in accordance with ISO 9000 quality procedures and are 100% function and pressure tested. Hansen offers the highest quality pressure regulators, along with the most responsive and knowledgeable support from application engineers and customer service representatives.

FEATURES

strong ductile iron or steel bodies

low pressure drop

top-mounted manual-opening stem threads that are protected from dirt

easy-to-change, screw-in control modules (pilots) for greater control flexibility

precision pressure control



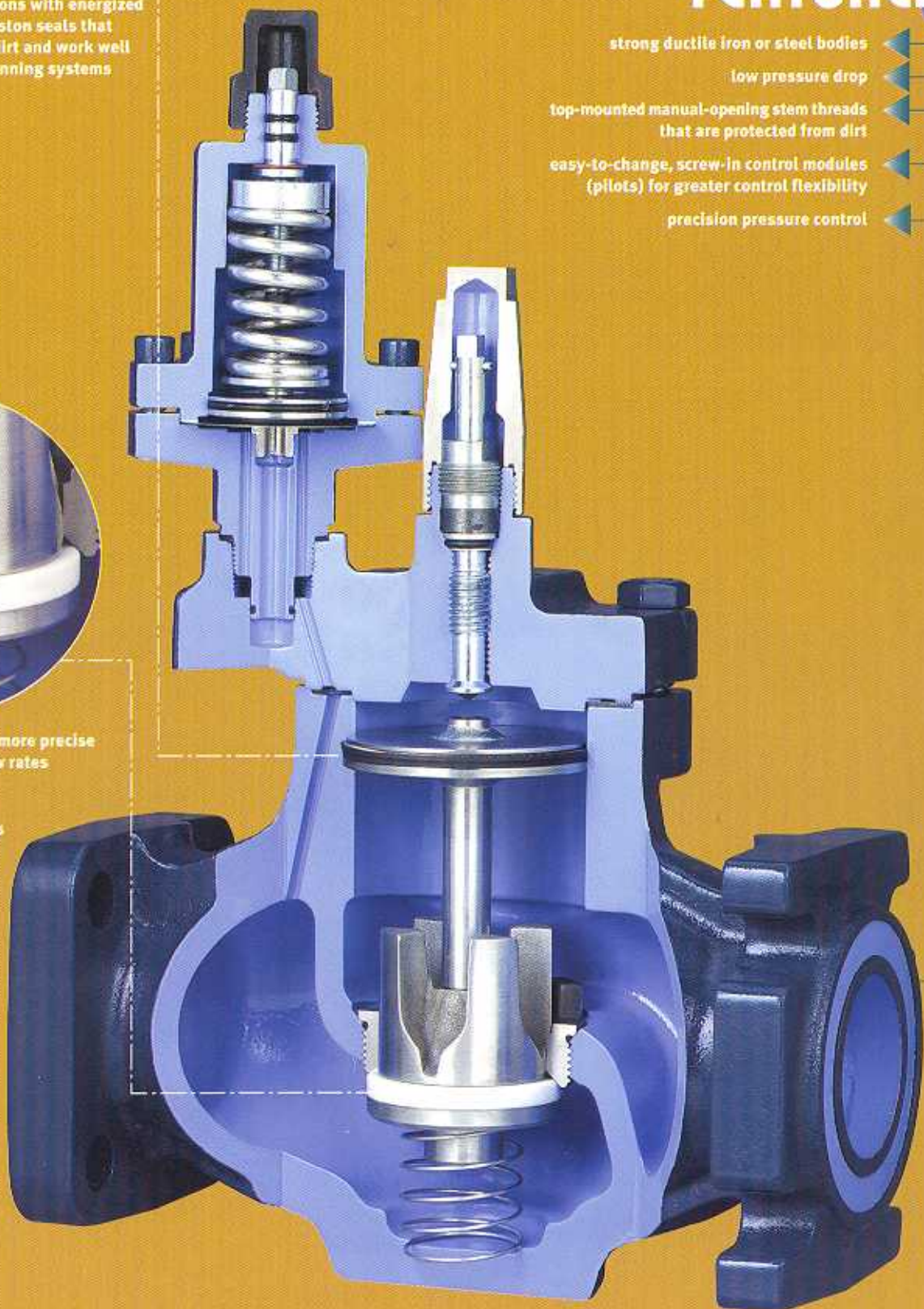
dirt-wiping, low-friction disc-pistons with energized Teflon piston seals that combat dirt and work well in dry-running systems



v-port modulation for more precise control at reduced flow rates

tight Teflon seating

stainless steel springs for long life



SELECTION

- ▶ port sizes $\frac{3}{4}$ " to 6" (20 to 150mm)

CONNECTIONS

- ▶ flanges available in sizes $\frac{3}{4}$ " to 4" (20 to 100mm). Flange styles include female pipe thread (FPT), socket weld (SW), weld neck (WN), and outside diameter sweat (ODS). 5" and 6" (125 and 150mm) direct weld inline.

SPECIFICATIONS

- ▶ suitable for ammonia, R22, R134a, R404A and other compatible refrigerants
- ▶ temperature range: -60°F to +240°F (-50°C to 115°C)
- ▶ safe working pressure: 400 psig (27 bar)
- ▶ body material: ductile iron (ASTM A536) or cast steel (ASTM A352 LCB)
- ▶ seat material: Teflon V-Port seat. Stainless steel body seat ring for 1 $\frac{1}{2}$ " to 6" (40 to 150mm).
- ▶ piston: steel, disc type, energized Teflon piston seal
- ▶ spring: stainless steel

CONTROL MODULES (PILOTS)

for any regulator

- ▶ inlet pressure
- ▶ outlet pressure
- ▶ differential pressure
- ▶ electric close
- ▶ electric wide open
- ▶ dual pressure
- ▶ reseating relief
- ▶ pneumatically compensated
- ▶ temperature operated
- ▶ electronically controlled
- ▶ electric motor compensated



OTHER REGULATORS AND ACCESSORIES

- ▶ small pressure regulators



- ▶ close-coupled strainers (filters) available with 60 mesh screen (233 micron rating) standard $\frac{3}{4}$ " to 4" (20 to 100mm)

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