


# Our Commitment to the Environment



*Hansen Technologies is dedicated to the global responsibility of protecting the environment. The impact of hydrofluorocarbon refrigerants on the environment (HFCs) has directed the industry to seek out safe alternatives for industrial refrigeration systems.*

*Hansen product engineers are committed to researching and developing innovative products that operate in CO<sub>2</sub> and other environmentally friendly refrigeration applications. This is our commitment to the environment and our commitment to you, the customer.*

## Valves for CO<sub>2</sub> Systems

Hansen Technologies offers a broad line of products for CO<sub>2</sub> refrigeration systems. Products include pressure regulators, solenoid valves, strainers, check valves, shutoff valves, float switches, and liquid level controls. Hansen Technologies pressure regulators and solenoid valves are ideally suited for typical CO<sub>2</sub> refrigeration systems. The valves can operate with little or no lubrication typical in CO<sub>2</sub> systems. The Teflon piston rings are self lubricating and will tolerate fine dirt better than long skirted pistons or metal piston rings. Float switches and VLT liquid level transducer are especially designed for CO<sub>2</sub> systems working up to 600 psig. All valves are tested to 600 psig (40 bar) safe working pressure and painted yellow for easy identification. Standard Hansen valves may be used on CO<sub>2</sub> up to 400 psig (27 bar) safe working pressure.

## Specifications

Safe Working Pressure: 600 psig (40 bar)  
Temperature Range: -65°F to 240°F (-50°C to 116°C)  
Maximum Operating Pressure Differential: 500 psid (35 Bar)  
Pressure Regulator Ranges: to 550 psig (38 bar)  
Control Valve Sizes: to 4" (100 mm)  
Shut off Valve Sizes: to 6" (150 mm)  
VLT Liquid Level Transducer: 40" to 120" (1 m to 3 m)

## Standard Products to 400 psig

Pressure Relief Valves  
AUTO-PURGERS®  
Sealed Motor Valves

## Valve Type Models

Pressure Regulators: CHA2B, CHA4A  
Solenoid Valves: CHS6, CHS8, CHS4A  
Check Valves & Stop Check Valves: CHCK4, CHCK1  
Suction Stop Valves: CHCK2, CHCK5  
Float Switches: CHLL Type  
Liquid Level Controls: VLT models, 4-20mA, 40" to 120" length  
Strainers: CST Series  
Shut-Off Valves & Hand Expansion Valves: Globe & Angle, Socket Weld & Butt Weld  
Sight Glasses: CH1100 Series, SEE-LEVEL®

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