

## PRODUCT DATA SHEET: Valves for CO<sub>2</sub> Systems

### INTRODUCTION

Hansen Technologies offers a broad line of products for CO<sub>2</sub> refrigeration systems. Products include pressure regulators, solenoid valves, check valves, stop/check valves, suction stop valves, float switches, liquid level controls, strainers, shut-off valves, hand expansion valves, sight glasses and pressure/temperature transducers.

Hansen 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. 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 transducers 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)
- Solenoid MOPD: 500 psid (35 bar)
- Pressure Regulator Ranges: to 550 psig (38 bar)
- Control Valve Sizes: to 4" (100mm)
- Shut-Off Valve Sizes: to 6" (150mm)
- VLT Liquid Level Transducer: 40" to 120" (1m to 3m)
- Flanged and Weld-in Connection Styles
- CE Certified

### STANDARD PRODUCTS (to 400 psig)

Pressure Relief Valves  
Auto-Purgers®  
Sealed Motor Valves



**CHA4A Pressure Regulator**

VALVE TYPE	MODEL
Pressure Regulators	CHA2B, CHA4A
Solenoid Valves	CHS6, CHS8, CHS4A, CHS4D
Check Valves & Stop/Check Valves	CHCK4, CHCK1
Suction Stop Valves	CHCK2, CHCK5, CHCK5D
Float Switches	CHLL Series
Liquid Level Controls	VLT models, 4-20mA, 40" to 120" length
Strainers	CST Series
Shut-Off Valves	Globe & Angle, SW/BW
Hand Expansion Valves	Globe & Angle, SW/BW
Sight Glasses	CH1100 Series See-Levels™
Pressure/Temperature Transducers	CHPT Series

For more information, visit:  
[WWW.HANTECH.COM](http://WWW.HANTECH.COM)