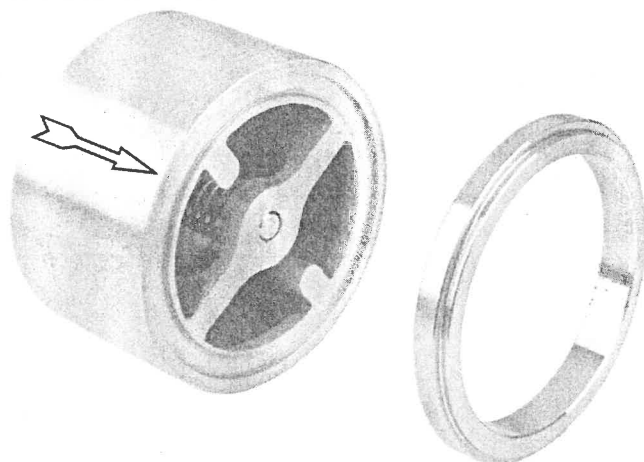


## HANSEN TECHNOLOGIES CORPORATION



HCK4 "L" shown with Adapter  
for Wolf-Linde Replacement

### INTRODUCTION

The HCK4 "L" series of in-line gravity drain check valves are dependable, compact, and rugged. The HCK4 "L" gravity drain check valves feature a low wide-opening pressure differential suitable for liquid transfer systems and other low-pressure-drop applications. In addition, an optional, specially-designed adapter allows direct replacement of existing 3" and 4" Wolf-Linde gravity drain check valves without repiping.

ISO 9002

### ADVANTAGES

The HCK4 "L" series check valves, typically installed in vertical pipe lines, offer reliable operation. Plated bodies, stainless steel seat discs, and stainless steel springs provide superior corrosion resistance. The lapped metal-to-metal seating facilitates durable closing of these check valves.

### KEY FEATURES

- Negligible cracking pressure differential
- Low wide-opening differential of 0.25 psid (.02 bar)
- Requires no piping changes to replace Wolf-Linde gravity drain check valve (3" and 4")
- Low bubble leakage tolerance
- For ammonia, R22, R134a, and other Hansen-approved refrigerants

### MATERIAL SPECIFICATIONS

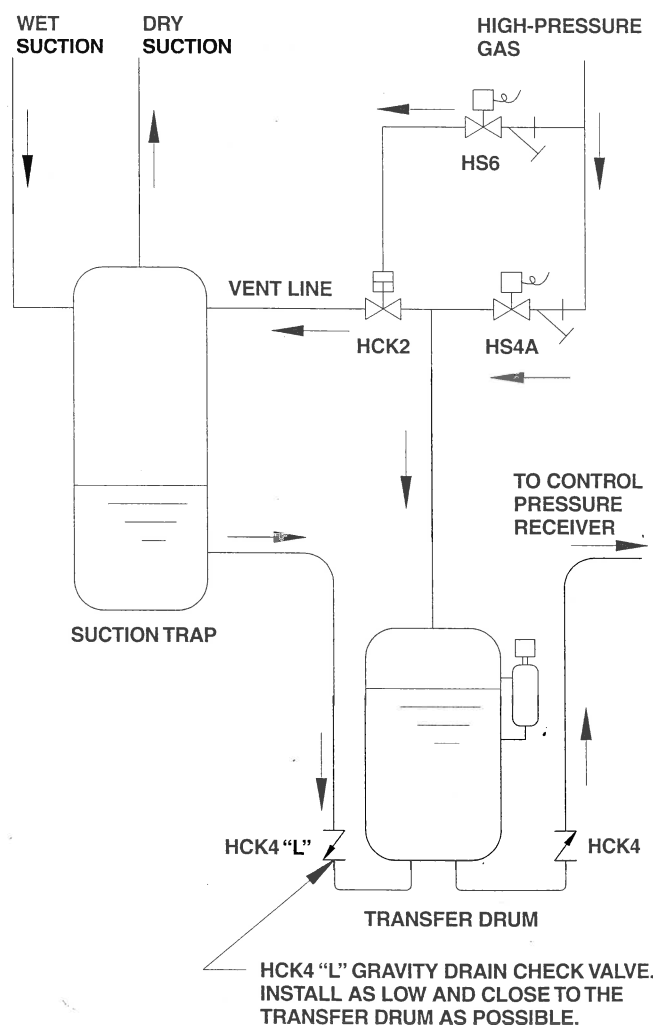
- Body: Ductile iron, ASTM A536 (nodular iron GGG-40), zinc chromate plated
- Seat Disc: Stainless steel
- Seat Cartridge: Steel, ASTM A108, zinc chromate plated
- Spring: Stainless steel
- Adapter: Low carbon steel, zinc chromate plated
- Safe Working Pressure: 400 psig (27 bar)
- Operating Temperature: -60F to +240F  
(-50°C to +115°C)

## Specifications, Applications, Service Instructions & Parts

### HCK4 "L" GRAVITY DRAIN CHECK VALVES 2", 3", and 4"

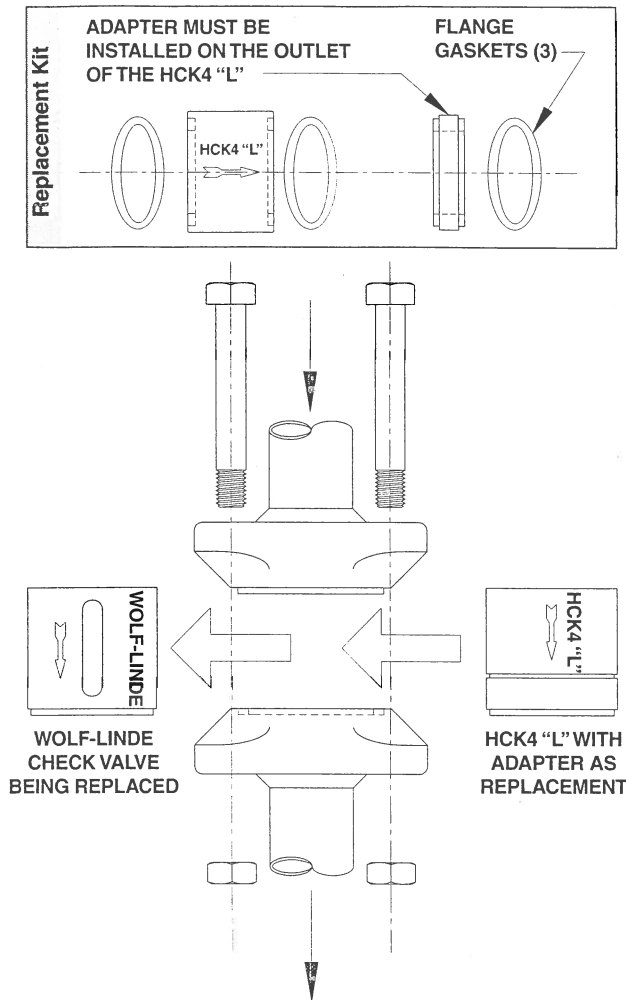
Direct replacement for  
Wolf-Linde 3" and 4"  
Gravity Drain Check Valves

### TYPICAL APPLICATION



Note: The above drawing is for illustration purposes and should not be used for actual engineering or design.

## WOLF-LINDE REPLACEMENT



Port Size	Wolf-Linde Valve Code Number	For Direct Replacement Use Hansen Replacement Kit*
3"	5980	72-1001
4"	5982	72-1002

\*Replacement kit is supplied with check valve, adapter, and flange gaskets (3), less flanges and bolts.

### CAUTION

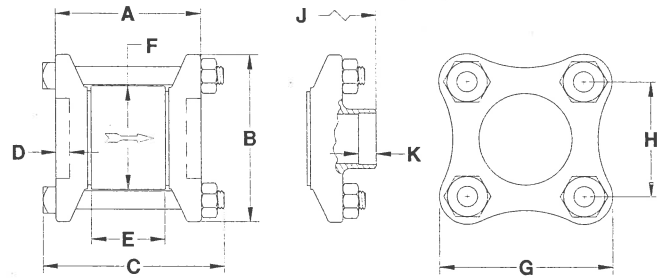
Hansen check valves are for refrigeration systems only. These instructions and related safety precautions must be read completely and understood before selecting, using, or servicing these check valves. Only knowledgeable, trained refrigeration technicians should install, operate, or service these check valves. Stated temperature and pressure limits should not be exceeded. Components should not be removed from the system unless it has been evacuated to zero pressure. See also the Safety Precautions in the current List Price Bulletin and the Safety Precautions Sheet supplied with this product. Escaping refrigerant can cause injury, especially to the eyes and lungs.

### WARRANTY

Hansen valves are guaranteed against defects in material or workmanship for one year F.O.B. our plant. No consequential damages or field labor is included.

## INSTALLATION DIMENSIONS

(HCK4 "L" without replacement adapter)



Dimension Letter	HCK4-8L 2" Port	HCK4-0L 3" Port	HCK4-1L 4" Port
A	5.06" (129 mm)	6.06" (154 mm)	6.39" (162 mm)
B	4.56" (116 mm)	6.00" (152 mm)	7.13" (181 mm)
C	6.38" (162 mm)	7.50" (191 mm)	8.00" (203 mm)
D	0.75" (19 mm)	1.00" (25 mm)	1.00" (25 mm)
E*	2.56" (65 mm)	2.92" (74 mm)	3.50" (89 mm)
F	3.62" (92 mm)	4.84" (123 mm)	6.06" (154 mm)
G	4.56" (116 mm)	6.00" (152 mm)	7.13" (181 mm)
H	3.06" (78 mm)	4.12" (105 mm)	5.00" (127 mm)
J	6.06" (154 mm)	7.06" (179 mm)	9.89" (251 mm)
K	0.87" (22 mm)	1.08" (27 mm)	1.40" (36 mm)
Pipe Size	2"	3"	4"

\* "E" dimension is the check valve body from outside edge to outside edge.

## ORDERING INFORMATION, GRAVITY DRAIN CHECK VALVES

Type	Port Size (mm)	Flange Connection Style and Sizes		
		SW or WN		ODS
		Standard	Also	Standard
HCK4-8L	2" (50)	2"	1 1/2"	2 1/8"
HCK4-0L	3" (80)	3"	—	3 1/8"
HCK4-1L	4" (100)	4"	—	4 1/8"

**To Order:** Specify valve type, connection style and size, and adapter kit (if needed).

A full line of HCK4 inline check valves (5/8" to 4") and HCK1 piston-type check valves (3/4" to 6") are also available from Hansen.

## HANSEN TECHNOLOGIES CORPORATION

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