

Parflex HCR Hose

High Collapse Resistant Subsea Hose for the Oil & Gas Market



Parker Parflex HCR hose is specifically designed to serve the oil & gas market in subsea hydraulic applications. Its state of the art construction provides a minimum crush resistance of 6,600 psi external pressure. The seamless, extruded Polyamide core tube has a wide range of media compatibility.

The core tube is reinforced with a stainless steel inner carcass, providing the collapse strength needed in deep water applications. More strength is provided in the high tensile strength aramid reinforcement to create a full, 5,000 psi working pressure with a 4:1 design factor. The seawater resistant, perforated Polyurethane cover, provides additional protection.

Parker high collapse resistant hose is an industry leader for demanding environments with an extreme bend radius to allow for tighter routing. These features combine to offer a collapse resistant solution to withstand the rigors of the oil & gas industry.



Contact Information:

Parker Hannifin Corporation
Parflex Division
11151 Cash Road
Stafford, TX 77477

phone (281) 566 4500
fax (281) 582 5271

parker.com/pfd-high-pressure

Product Features:

- Validated to ISO13628-5:2009 / API 17E
- Collapse resistant to 10,000 ft seawater at 1.5 design factor per API 17E (Contact the Parflex Division for installation depths greater than 10,000 ft.)
- 5,000 psi working pressure at 4:1 design factor
- Seawater-resistant perforated polyurethane jacket



ENGINEERING YOUR SUCCESS.

HCRV – High Collapse Resistant Hose



Features

- Collapse resistant to 10,000 ft seawater at 1.5 design factor per API 17E
- Flexible 316L stainless steel interlocking carcass
- Available in long continuous lengths
- Seamless polyamide core tube
- Abrasion and seawater resistant perforated polyurethane cover
- Compact bend radius

Applications

- Subsea Hydraulics
- BOP Stack
- Well Stimulation
- Hydraulic Flying Leads

Series HCR

[Visit the webpage](#)

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure 73°F/ 23°C		Minimum Bend Radius		Weight		Minimum Collapse Pressure		Collapse Pressure Rating per ISO13628-5 ^{1,2}		
	DN	inch	mm	inch	mm	psi	bar	inch	mm	lbs/ft	kg/mtr	psi	bar	psi	bar
HCRV-8-BLU	13	1/2	12.7	1.04	26.4	5,000	345	4	102	0.45	0.67	6,600	456	4,400	303
HCRV-8-YEL	13	1/2	12.7	1.04	26.4	5,000	345	4	102	0.45	0.67	6,600	456	4,400	303
HCRV-16-BLU	25	1	25	1.83	46.4	5,000	345	11.8	300	1.44	2.15	6,600	456	4,400	303
HCRV-16-YEL	25	1	25	1.83	46.4	5,000	345	11.8	300	1.44	2.15	6,600	456	4,400	303

Construction

- Carcass: 316L SS
- Core tube: Polyamide
- Reinforcement: Aramid Fiber Braid
- Cover: Perforated Polyurethane

Operating Parameters

- Temperature Range:
 - -40°F to +131°F (-40°C to +55°C)
- Min. Burst Pressure is 4x Max. Working Pressure

Fittings

- HV Series - constructed of 316L stainless steel
 - 106HV - JIC 37° Female Flare
 - 19GHV - Straight Dual Seal
 - 1GXHV - Grayloc Hub Connection

Colors

Standard

● Yellow (-YEL) ● Blue (-BLU)

Non-Standard

● Black (-BLK) ● Green (-GRN)

Notes

- For maximum lengths, please contact the Parflex Division.
- 1.5 design factor for collapse pressure per API 17E.
- For installation depths greater than 10,000 ft., please contact the Parflex Division.