

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 stainless steel inner carcass provides industry leading collapse strength needed in deep water applications. The seamless, extruded Polyamide core tube has a wide range of media compatibility and the high tensile strength aramid reinforcement provides a full 5000 psi working pressure at 4:1 design factor. The seawater resistant perforated Polyurethane cover provides durable protection in demanding environments and the industry leading bend radius allows for tight routing. These features combine to offer a solution to withstand the rigors of the oil & gas industry.



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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.

HCR – 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/Markets



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

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight		Minimum Collapse Pressure	
#												
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs./ft.	kg./mtr.	psi	MPa
HCRV-8	1/2	13	1.04	26.4	5,000	34.5	4.0	102	0.45	0.67	6600	45.6
HCRV-16	1	25	1.83	46.4	5,000	34.5	11.8	300	1.44	2.15	6600	45.6

Construction

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

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)

Operating Parameters

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

Notes

- 1.5 design factor for collapse pressure per API 17E
- Contact the Parflex Division for installation depths greater than 10,000 ft.