

109 CPHR 5000 Constant pressure hybrid reinforcement

MEDIUM
PRESSURE

HIGH
PRESSURE

CONSTANT
PRESSURE

SAE 100R18
CPLT 3000

CPLT 3600

CPLT 5000

CPHR 5000

VERY HIGH
PRESSURE

SPECIALITIES

Thermoplastic constant pressure hose with combined reinforcement for very high pressure hydraulic applications
Up to 350 bar (up to to 5000 psi)



FEATURES

Inner Tube

Polyester elastomer

Reinforcement

One braid of aramid fiber plus one braid of steel wire

Cover

Polyurethane, black, non pinpricked, white ink-jet branding

Applications

General hydraulic applications requiring high mechanical protection properties of hose and braid, combined with high

pressure:

- construction equipment,
- hoisting and handling equipment
- machine tools

Features

- Rugged construction for HD application and prolonged lifetime
- Combined reinforcement offers low volumetric expansion and optimum change in length characteristics.
- Abrasion resistant

Description

High pressure hose suitable for petroleum, synthetic or water based hydraulic fluids in hydraulic systems. Suitable for general fluid power transmissions like earthmoving, forklift trucks, HD construction machinery, hoisting and handling equipment, high pressure equipment. Steel braid design offers very high mechanical strength which prolongs lifetime of the hose in harsh conditions.

Temperature Range

-40°C to +100°C
(-40°F to +212°F)
Limited to +70°C (+158°F)
for air and water based fluids

Vacuum Rating

-0,93 bar / -700 mm Hg
-13,5 psi / -27,5 inch Hg

APPLICATIONS



PACKAGING



CERTIFICATION



Part No.	Hose size		ID		OD		WP		BP		Safety factor	Bend radius		Weight		Ferrule part no.		
	dash	inch	DN	mm	inch	mm	inch	bar	psi	bar		psi	mm	inch	g/m	lbs/ft	carbon	stainless
1092	-4	1/4"	6	6,50	0,256	11,80	0,465	350	5000	1400	20000	4:1	50	1,97	165	0,111	SAC121	SAC821
1094	-6	3/8"	10	9,70	0,382	16,20	0,638	350	5000	1400	20000	4:1	60	2,36	255	0,171	SAC141	SAC841
1095	-8	1/2"	12	13,00	0,512	20,30	0,799	350	5000	1400	20000	4:1	80	3,15	345	0,232	SAC151	SAC851