

Parker Product Datasheet



Parker's Colorflow C series hydraulic check valves offer superior construction and versatility with a variety of materials, sizes and ports. These one-way check valves are used in hydraulic and pneumatic applications in the mobile & industrial markets.

PART NUMBER:	9C1600S
MAXIMUM OPERATING TEMPERATURE:	250
MAXIMUM OPERATING PRESSURE:	5000
MINIMUM OPERATING TEMPERATURE:	-40
CONNECTION TYPE:	BSPP
MEDIA:	Hydraulic Oil
CONNECTION SIZE:	1"
BODY MATERIAL:	Steel
SEAL MATERIAL:	N/A
MOUNTING TYPE:	In-line
FUNCTION:	Check
ACTUATION TYPE:	Mechanical
CONFIGURATION:	In-line
FLOW DIRECTION:	Free Flow in one Direction
CRACKING PRESSURE (PSI):	5
MAXIMUM FLOW RATE (GPM):	40

PRODUCT OVERVIEW

Parker's C series hydraulic inline are one-way check valves that permit free flow in one direction, and dependable shut-off in the reverse direction.

The C Series Check Valve port options include ISO 6149, NPT, BSPP, BSPT and SAE. Parker offers superior brass, steel and stainless-steel check valves in a wide variety of sizes and ports. The steel C Series Check Valve comes standard with a black oxide finish.

Markets:

- Power Gen
- Machine Tools
- Factory automation
- Vehicle Assembly Facilities
- Molding
- Miscellaneous Industrial
- Miscellaneous Manufacturing
- Oil & Gas
- Machine tools
- Material Handling
- Mining
- Marine

Features/Benefits:

- Soft seat construction for low leakage

- Pressures up to 5,000 PSI
- Available in Brass, Steel and Stainless Steel
- Port sizes from 1/8 up to 2”

Applications:

- Accumulator circuits
- Tank line backpressure
- Power units
- Tank line backpressure
- High low pump circuits

TECH SPECIFICATIONS

MAXIMUM OPERATING TEMPERATURE	205 °C
MAXIMUM OPERATING TEMPERATURE	400 °F
DIVISION	Hydraulic Valve Systems Division
MAXIMUM OPERATING PRESSURE	3000 psi
FLOW RATE	40 g/min
FLOW RATE	n/a
MINIMUM OPERATING TEMPERATURE	-40 °F
MINIMUM OPERATING TEMPERATURE	-40 °C
CONNECTION TYPE	BSPP

MEDIA	Hydraulic
BRAND	Colorflow
CONNECTION SIZE	1 inch
BODY MATERIAL	Steel
SEAL MATERIAL	Nitrile
MAXIMUM FLOW RATE	151 L/min
MOUNTING TYPE	Inline
FUNCTION	Mechanical
ACTUATION TYPE	Mechanical
CONFIGURATION	Inline
CRACKING PRESSURE	5 psi
FLOW DIRECTION	Free Flow in one direction shut-off in reverse