



Parker Hannifin

F420S

1-way unidirectional manually-actuated in-line hydraulic needle valve (3GPM) (Cv 0.23) with standard knob - Parker Hannifin (Colorflow F series) - 2 x 7/16"-20 UNF / SAE-4 threaded ports - Steel body / Nitrile seal / Stainless steel (SUS416) poppet - 5psi / 0.4bar nom. cracking pressure - 5000psi / 350bar max. operating pressure - for oil media

Specifications

Primary brand	Parker Hannifin
Main function	Valve (Flow control)
Product series / family name	Valves (Flow control) > Needle valves
Sub-range name	Colorflow F series
Functions	Manually-actuated in-line hydraulic needle valve
Valve function	1-way unidirectional
Design	standard knob for oil media
Flow	Cv 0.23 11L/min (LPM) / 3gallons/min (GPM) max. flow
Pressure	5psi / 0.4bar nom. cracking pressure 5000psi / 350bar max. operating pressure
Temperature	-40°C...+121°C / -40°F...+250°F media temperature
Connection type	2 x 7/16"-20 UNF / SAE-4 threaded ports
Mounting mode	Individual in-line installation
Material	Steel body Nitrile seal Stainless steel (SUS416) poppet 302 stainless steel spring 416 stainless steel retainer / needle
Order code / Manufacturer SKU	F420S
Manufacturer product status	Commercialized

Benefits

The exclusive "Colorflow" color-band reference scale on the valve stem is a great convenience and time-saver in setting the valve originally and in returning it to any previous setting.

A tamperproof option (T) feature is also available to prevent accidental or intentional adjustment of flow setting.

A simple set screw locks the valve on any desired setting.

Documents

[Parker - Hydraulic valves - Colorflow and ball valves \(Cat MSG14-3300US\) - Catalog.pdf](#)
