



Parker Colorflow[®] Stainless Steel Needle, Flow and Check Valves

Bulletin HY14-3335/US



Flow Control Valves

SERIES F

F

Series

Size

SS

Material

Needle Options

Other Options

Seal Compound

Code	NPT
400	1/4"
600	3/8"
800	1/2"

Code	Description
SS	Stainless Steel

Code	Description
Omit	Standard
#4	Fine Metering (400 size)

Code	Description
Omit	Fluorocarbon (Standard)

Code	Description
Omit	Standard Knob
T	Tamperproof
F	Finger Screw



General Description

Series "F" flow control valves provide precise control of flow and shut-off in one direction, and automatically permit full flow in the opposite direction.

Specifications

Max. Operating Pressure 345 Bar (5000 PSI)

Return Check Poppet, 0.4 Bar (5 PSI)
Nominal Cracking Pressure

Poppets Solid metal 416 stainless steel

Operating Temperature -40°C to +121°C (-40°F to +250°F)



Model Number	Weight Kg (lbs.)
F400	0.2 (0.5)
F600	0.3 (0.7)
F800	0.7 (1.5)

Needle Valves

SERIES N

N

Series

Size

SS

Material

Needle Options

Other Options

Seal Compound

Code	NPT
400	1/4"
600	3/8"
800	1/2"

Code	Description
SS	Stainless Steel

Code	Description
Omit	Standard
#4	Fine Metering (400 size)

Code	Description
Omit	Fluorocarbon (Standard)

Code	Description
Omit	Standard Knob
T	Tamperproof
F	Finger Screw



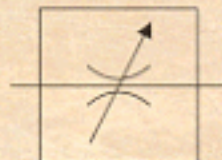
General Description

Series "N" needle valves are ideal as speed controls on hydraulic and pneumatic systems where a reverse flow check is not needed. They provide excellent control and a reliable shutoff in a very small envelope.

Specifications

Max. Operating Pressure 345 Bar (5000 PSI)

Operating Temperature -40°C to +121°C (-40°F to +250°F)



Model Number	Weight Kg (lbs.)
N400	0.2 (0.5)
N600	0.4 (0.9)
N800	0.6 (1.4)

Check Valves

SERIES C

C

Series

Size

SS

Material

Cracking Pressure
(nominal)

Seal
Compound

Code	NPT
400	1/4"
600	3/8"
800	1/2"

Code	Description
SS	Stainless Steel

Code	Description
Omit	Standard 0.4 Bar (5 PSI)
65	4.5 Bar (65 PSI)

Code	Description
Omit	Fluorocarbon (Standard)



General Description

Series "C" check valves permit free flow in one direction, and dependable shut-off in the reverse direction.



Specifications

Max. Operating Pressure 345 Bar (5000 PSI)

Poppets

Viton soft seal poppet is standard
Solid metal 416 stainless is available

Model Number	Weight Kg (lbs.)
C400	0.2 (0.4)
C600	0.2 (0.5)
C800	0.6 (1.3)

Pressure Compensated Valves

SERIES PCM

PC

Pressure
Compensated
Flow Control

Reverse
Check

M

Adjustable
Flow

Size

SS

Material

Other
Options

Seal
Compound

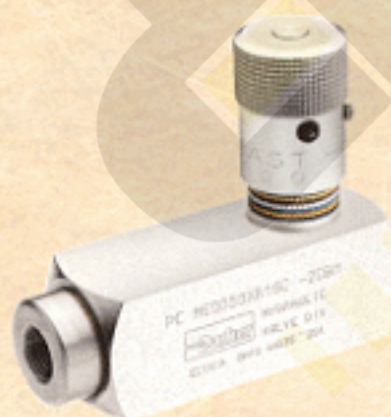
Code	Description
Omit	Without
C	Check

Code	NPT	SAE
600	3/8"	—
620	—	(-6)
800	1/2"	—
820	—	(-8)

Code	Description
SS	Stainless Steel

Code	Description
Omit	Fluorocarbon (Standard)

Code	Description
Omit	Standard Knob
T	Tamperproof
F	Finger Screw



General Description

Series "PC" pressure compensated flow control valves are designed to regulate flow at a selected rate, within 5%, regardless of fluctuations in inlet and outlet pressure.

Note: For washdown applications, this valve may be ordered without the color rings.

Specifications

Max. Operating Pressure 207 Bar (3000 PSI)

Return Check Poppet,
Nominal Cracking
Pressure

0.4 Bar (5 PSI)

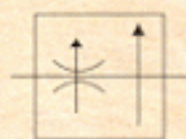
Poppets

Solid metal 416 stainless steel

Operating Temperature

-40°C to +121°C (-40°F to +250°F)

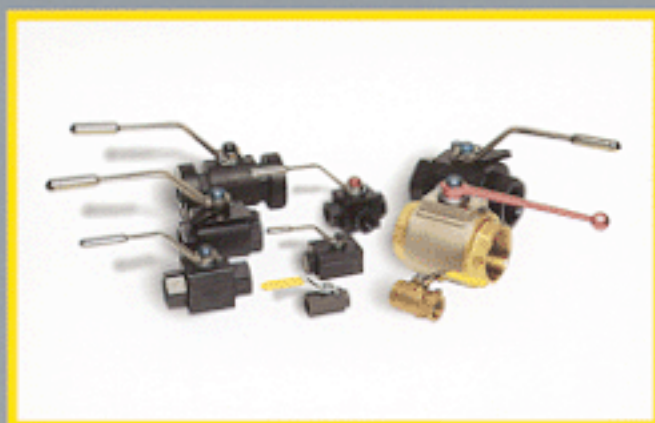
Model Number	Weight Kg (lbs.)
PCM600	1.0 (2.3)
PCM620	0.8 (1.8)
PCM800	1.7 (3.7)
PCM820	1.4 (3.1)



PCM



PCCM



WARNING: The valves in this bulletin are not repairable



WARNING

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Bulletin HY14-3335/US,
10M, 5/01, FRT