



5.1

# 35F08-20F TYPE

## Regulator, Pressure-Compensated

Rated pressure (bar / psi)	240 / 3500
Rated flow (L/min / gpm)	0.4 / 0.1 (min.)
	7.5 / 2.0 (max.)

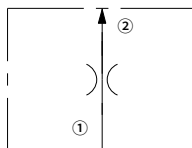
### Features

- Hardened parts for long life
- Quiet, modulated response
- Compact size

### Contents

Description	02
Operation	02
Ordering code	02
Technical data	03
Performance	03
Materials	03
Dimensions	04

### Symbol

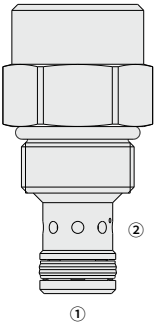


## Description

A screw-in, cartridge-style, fixed orifice, pressure-compensated, hydraulic flow regulating valve (restrictive type).

## Operation

The valve maintains a constant flow rate out of ② regardless of load pressure changes in the circuit downstream of ② .  
The fixed control orifice is factory preset to customer flow specification. The valve begins to respond to load changes when the flow through the valve creates a pressure differential across the control orifice greater than 5.5 bar, with accurate flow maintenance from 7.6 to 240 bar. Reverse flow ( ② to ① ) returns through the control orifice and is non-compensated.



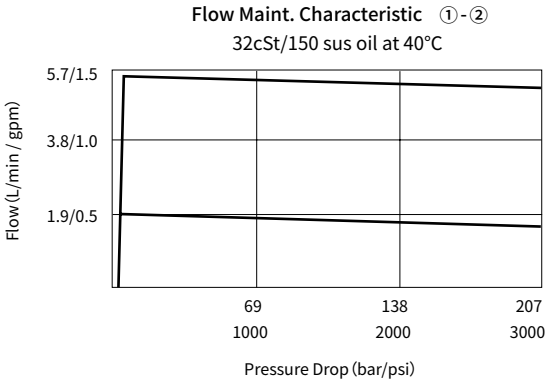
## Ordering Code

35F08-20F		<div></div>	-	<div></div>	-	<div></div>	-	/	<div></div>	<div></div>	<div></div>	<div></div>
Option:		None		Blank								
Cartridge only				0								
Seals:		Buna N (Std. )		Polyurethane		Fluorocarbon						
		N		P		V						

Technical Data

Rated pressure	240 bar(3500 psi)
Rated flow	0.4 L/min(0.1 gpm)min. ; 7.5 L/min(2.0 gpm)max.
Standard compensator bias spring	5.5 bar
Flow maintenance setting range	0.2 ~ 1.8 L/min ±15% 1.9 ~ 7.5 L/min ±10%
Cavity	VC08-2
Fluid	Mineral-based or synthetics with lubricating properties
Viscosity range	7.4 to 420 mm <sup>2</sup> /s
Temperature range	-40 to 100 °C (Buna N seals)
	-26 to 204 °C (Fluorocarbon seals)
	-54 to 107 °C (Polyurethane seals)
Degree of fluid contamination	The minimum pollution level is ISO4406 level 18/16/13, and level 15/13/11 is recommended to prolong the service life

Performance (Cartridge Only)



Materials

Cartridge:

Weight: 0.09 kg; Steel with hardened work surfaces. Zinc-plated exposed surfaces; Buna N (Std. ) seal.

Standard Ported Body:

Anodized high-strength aluminum alloy, rated to 240 bar; Ductile iron and steel bodies available; Dimensions may differ, consult factory.

Dimensions

( Dimensions in mm )

