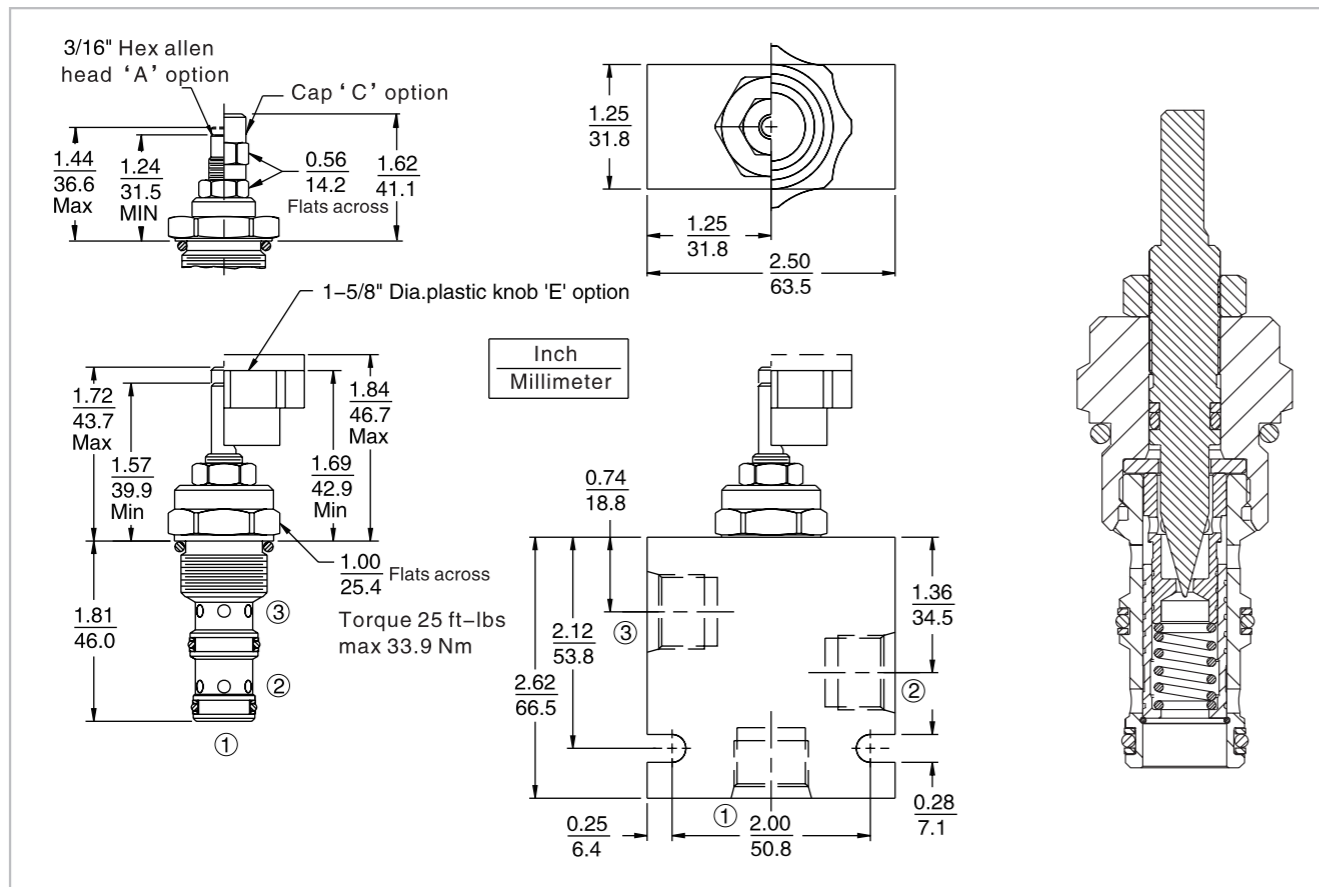


HYFR10-33 (Regulator Pressure Compensated Flow Regulator Valve Cartridge)

External dimensions



Material science and order model

Cartridge: weight: 0.30 kg (0.68 lb); Steel, the working face is duratected Surface zine-plated; NBR material sealing and check ring (standard);
 Block: weight: 0.36 kg (0.80 lb); High-strength performance aluminum alloy with anodic oxidation; #6061 T6; Rated pressure up to 240 bar (3500 psi); See 8.010.1; Also available with ductile cast iron and steel material; Size might be different, please consult factory.

HYFR10-33		-	-
<u>Adjustment option</u>			
Long axis only	Blank		
3/16" in. Hex allen head	A		
Option A w/cover cap	C		
Plastic knob	E		
<u>Seals</u>			
	N	Buna N (std.)	
	V	Fluorocarbon	
<u>Porting</u>			
Cartridge only	0		
SAE 6	6T		
SAE 8	8T		
1/4 Inch BSP*	2B		
3/8 Inch BSP*	3B		

*BSP body: U.K. Mfr. only

HYFR10-39 (Regulator Pressure Compensated Flow Regulator Valve Cartridge)

Description

A cartridge-style adjustable pressure-compensated flow control valve.

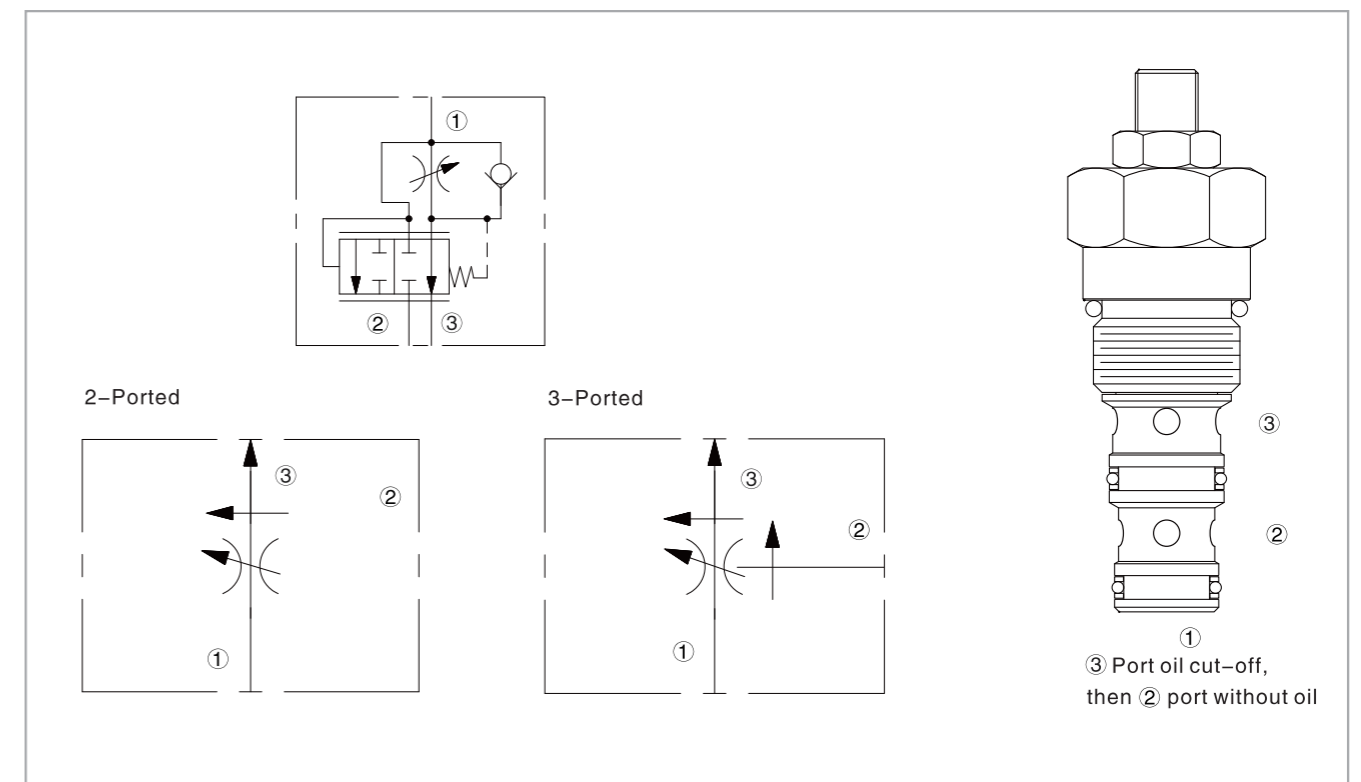
Operation

The valve maintains a constant flow rate from ③ regardless of load pressure changes in the system downstream of ③, or in the bypass leg at ②. Reverse flow (③ to ①) bypasses the control orifice. Bypass port ② may be fully pressurized. The regulated flow increases from closed to fully open, with counter-clockwise rotation of the knob.

Specifications

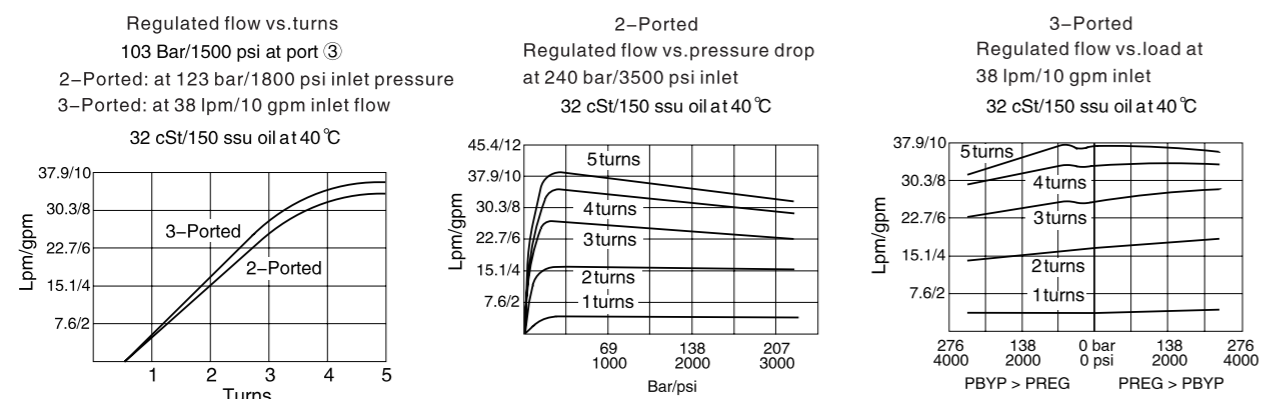
Operating pressure:	240 Bar
Flow:	3-Ported regulated flow: 0-38 lpm
	2-Ported regulated flow: 0-34 lpm
Flow setting:	(First + bypass) : nominal 0 ~ 38 lpm; max 0 ~ 57 lpm
Temperature:	(-40°C To +120°C) with NBR material seals
Fluids:	Mineral-based fluids with viscosities of 7.4 to 420 cSt.
Cavity:	HY10-3, see page H.1.4
Body material:	Steel & ductile iron rated to 350 bar

Code symbol and profile



HYFR10-39 (Regulator Pressure Compensated Flow Regulator Valve Cartridge)

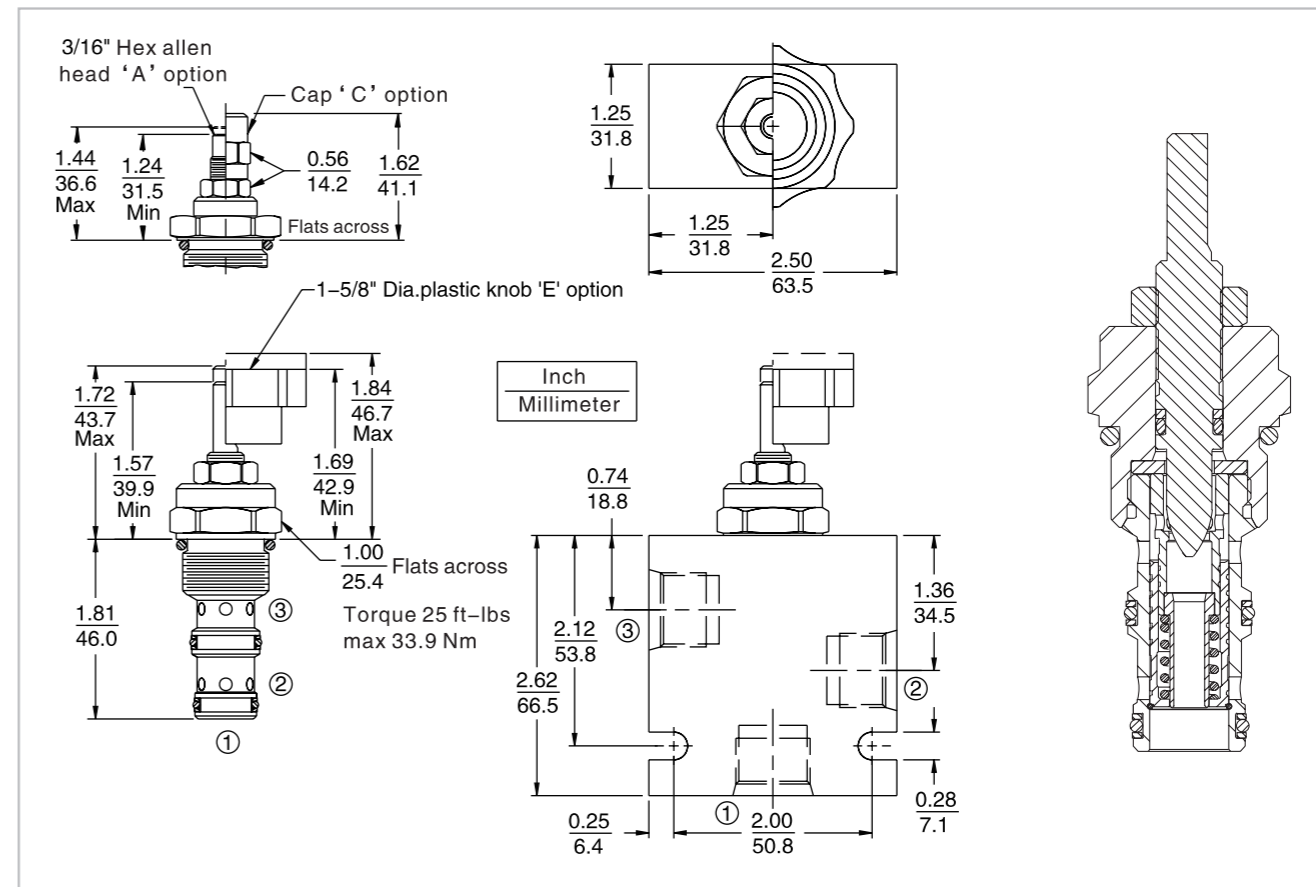
Pressure drop vs.flow(only referring to plugins)



E.14.2

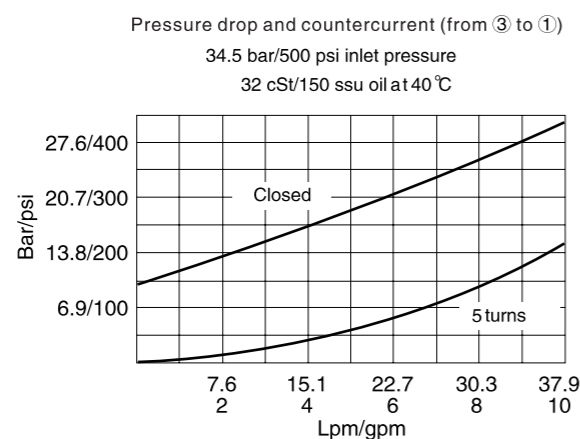
HYFR10-39 (Regulator Pressure Compensated Flow Regulator Valve Cartridge)

External dimensions



E.14.3

Performance



Material science and order model

Cartridge: weight: 0.30 kg (0.68 lb);
Steel, the working face is duratected
Surface zinc-plated;
NBR material sealing and check
ring (standard);
Block: weight: 0.36 kg (0.80 lb);
High-strength performance
aluminum alloy with anodic
oxidation; #6061 T6;
Rated pressure up to 240 bar (3500 psi);
See 8.010.1;
Also available with ductile cast iron
and steel material;
Size might be different, please consult factory.

HYFR10-39		Seals	
Adjustment option	Blank	N	Buna N (std.)
Long axis only	A	V	Fluorocarbon
3/16" in. Hex allen head	C	Porting	
Option A w/cover cap	E	0	Cartridge only
Plastic knob		6T	SAE 6
		8T	SAE 8
		2B	1/4 Inch BSP*
		3B	3/8 Inch BSP*
		*BSP body: U.K. Mfr. only	