

Proportional throttle valves series F5C allow to adjust the flow in proportion to the input signal. The combination of the F5C with pressure compensator R5P serves as a flow control valve - providing load compensated flow.

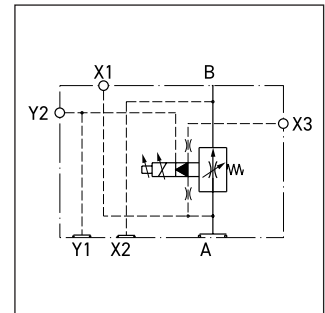
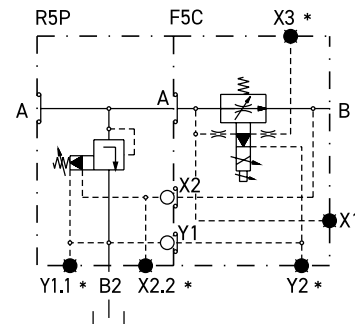
The F5C is offered with two types of response time:

standard 350 ms at 1 l/min pilot flow

code A 250 ms at 2 l/min pilot flow

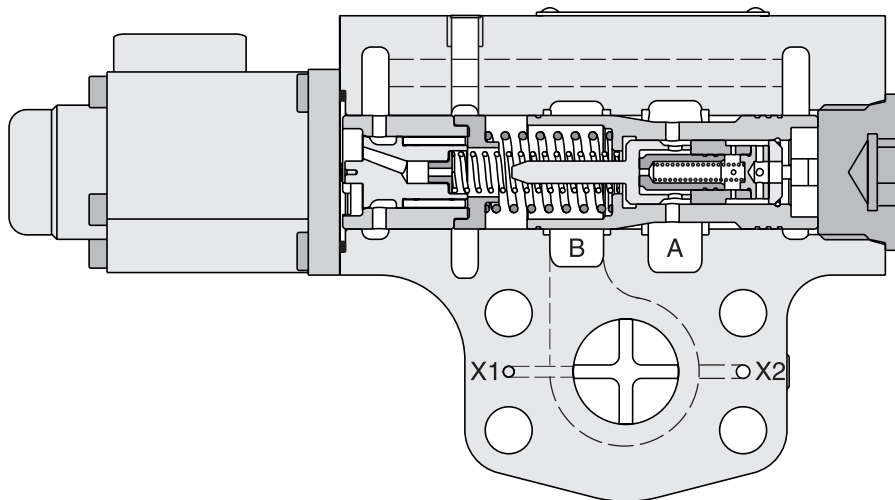
Features

- Spool type proportional throttle valve
- SAE61 flange
- Maximum flow 380 l/min
- 2 sizes, SAE 1", 1 1/4"
- Load compensated flow in combination with R5P

**Pilot connection explanation F5C with R5P**

○ open ● closed ⊗ closed by counterpart

* optional

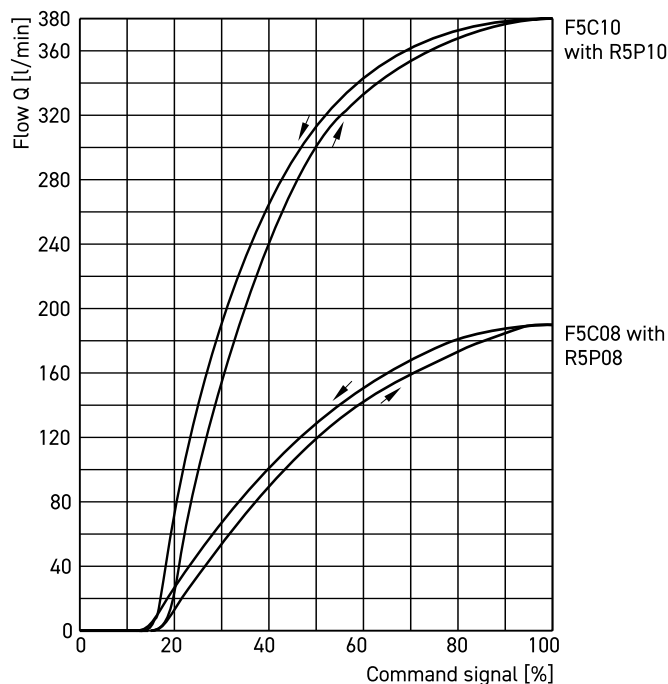


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Technical data

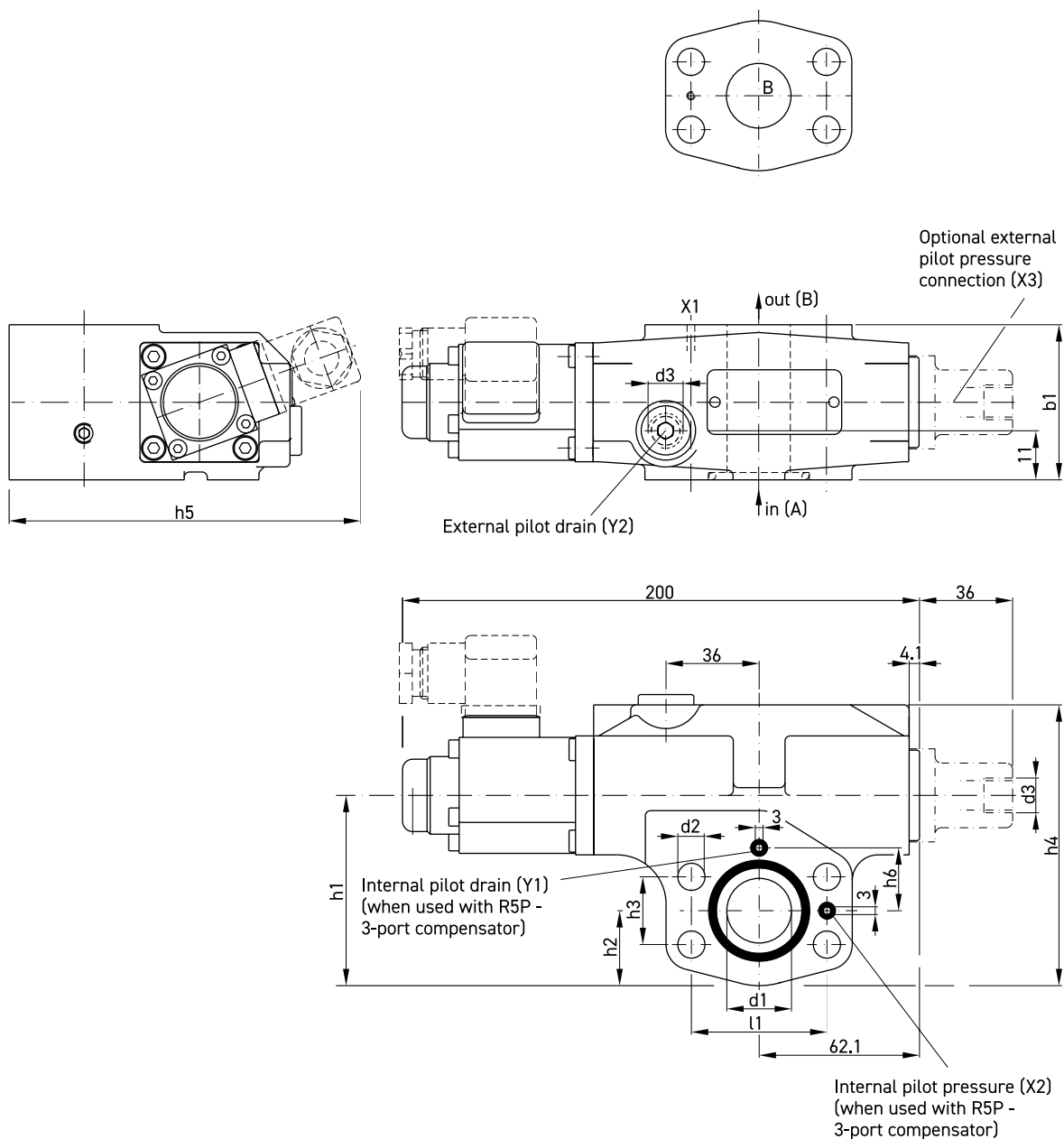
General							
Size			08 (1")		10 (1½")		
Mounting			Flanged according to SAE61				
Mounting position			unrestricted				
Ambient temperature			[°C]	-20...+60			
Weight			[kg]	4.1		5.8	
Hydraulic							
Max. operating pressure							
Ports A, B, X1, X2, X3			[bar]	300		280	
Ports Y1, Y2			[bar]	70			
Max. pressure drop (from A to B)			[bar]	21			
Nominal flow			[l/min]	190		380	
Fluid			Hydraulic oil according to DIN 51524				
Fluid temperature			[°C]	-20...+70 (NBR: -25...+70)			
Viscosity	permitted	[cSt] / [mm²/s]	20...400				
	recommended	[cSt] / [mm²/s]	30...80				
Filtration			ISO 4406 (1999); 18/16/13				
Electrical characteristics							
Duty ratio			100 % ED; CAUTION: coil temperature up to 150 °C possible				
Solenoid connection			Connector as per EN175301-803, solenoid identification as per ISO 9461				
Protection class			IP65 in accordance with EN 60529 (with correctly mounted plug-in connector)				
Supply voltage			[V]	16			
Current consumption			[A]	1.05			
Resistance			[Ohm]	11.3			
Response time			[ms]	see ordering code			

Characteristic curves



All characteristic curves measured with HLP46 at 50 °C.

F5C UK.INDD 30.03.26



Seal kits		
NG	NBR	FPM
08 / 10	S26-58484-0	S26-58484-5

	l1	b1	h1	h2	h3	h4	h5	h6	d1	d2	d3
F5C08	52.4	60	73.6	29	26.2	108.6	187	24.3	25	10.5	G $\frac{1}{4}$ "
F5C10	58.7	75	83.5	36.5	30.2	118.5	198	29.3	32	12.5	G $\frac{1}{4}$ "