

FC/FCR

Full range Pressure Compensating Variable
Flow Control Valve
Max. Flow Setting up to 114 l/min



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Function Introduction

In order to vary the flow of fluid, the full range pressure compensating variable flow control valve is designed so that the orifice area varies as the lever is rotated. It has compensator spool inside the valve body. No matter how the pressure varies, that is, no matter the orifice area varies from closed to open, the outlet flows will be constant and stable.

Ordering Code

	FC				
Relief valve options					
No Relief valve					
Adj. ball spring relief					
(Standard 110 Bar setting)					
Specification of Flow Path					
Standard flow control					
Port Size					
3/8" NPT (30l/min)					
1/2" NPT (60 l/min)					
3/4" NPT (114 l/min)					
9/16-18-UNF (30 l/min)					
3/4-16-UNF (30 l/min)					
7/8-14-UNF (60 l/min)					
11/16-12-UNF (114 l/min)					
Port					
2 port					
Flow Setting					
0-30 L/min					
0-60 L/min					
0-114 L/min					

Instructions:

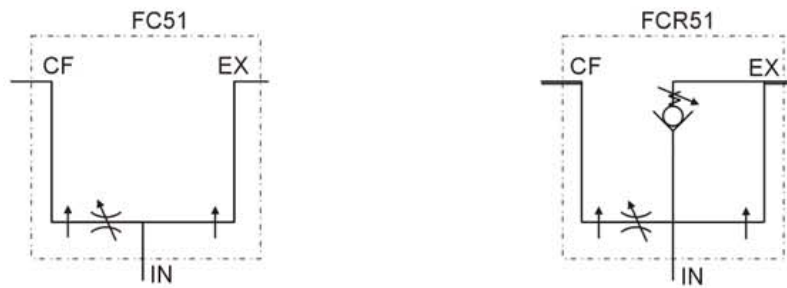
1) The adjustable ball spring relief valve (R) allow the customer pressure compensated flow up to the pressure setting on the relief. Once the pressure on the CF port increases above the relief setting, the relief valve opens and diverts flow to the EX port while maintaining the pressure on the CF port.The EX port must be plumbed back to tank. The relief option is preset to 11Mpa (110 bar), standard, and field adjustable from 5 bar to 200 bar.

Features:

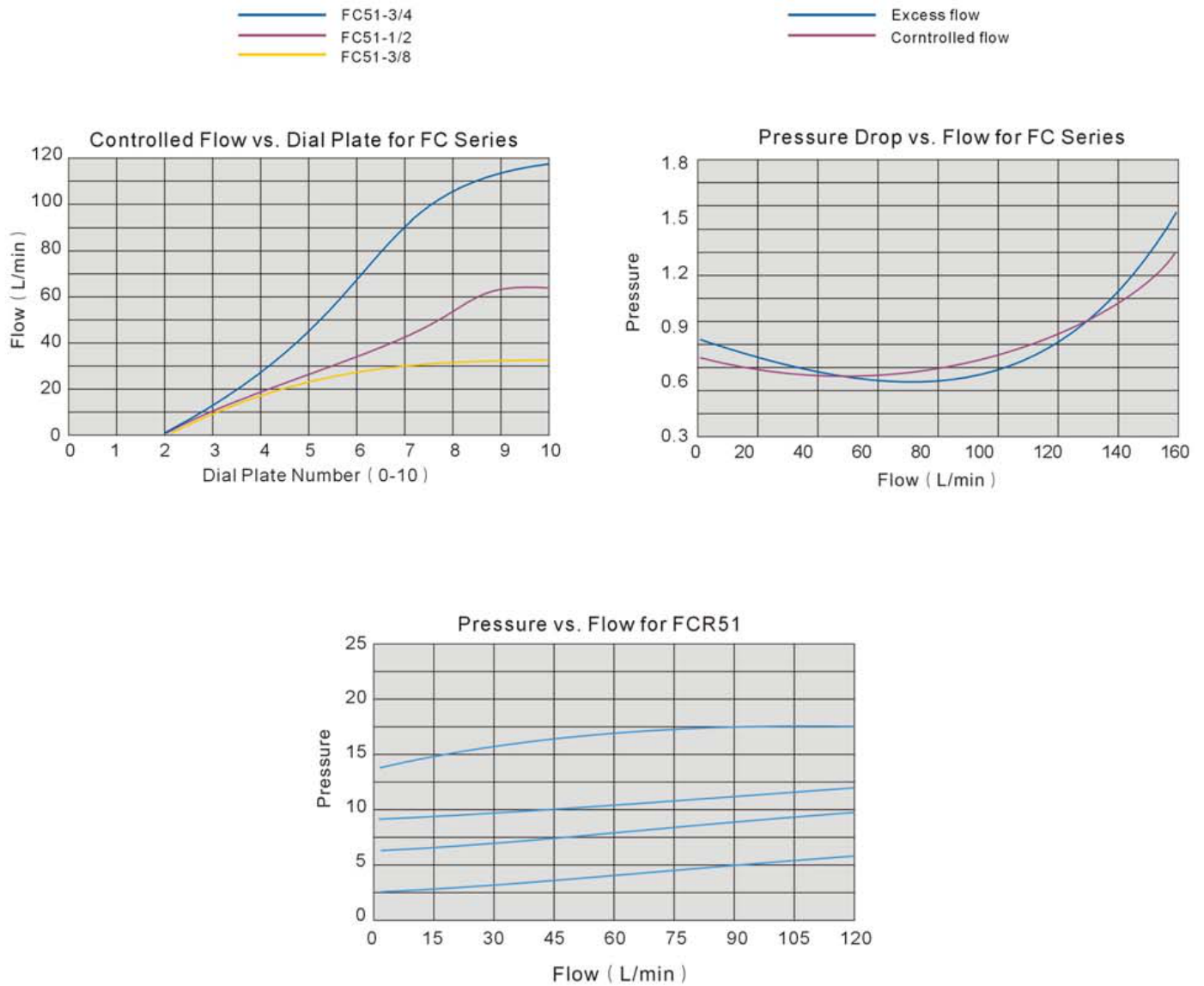
Diamond honed spool bore provides consistent spool fit with low leakage. Every FC is tested for shut off, max. flow, and pressure compensation; Standard 3-port allows for pressure compensated flow out of two ports; Standard thread compensator plugs to eliminate external leakage from the compensator bore; External seals on rotary spool prevents contamination from locking up spool.



Graphic Symbol



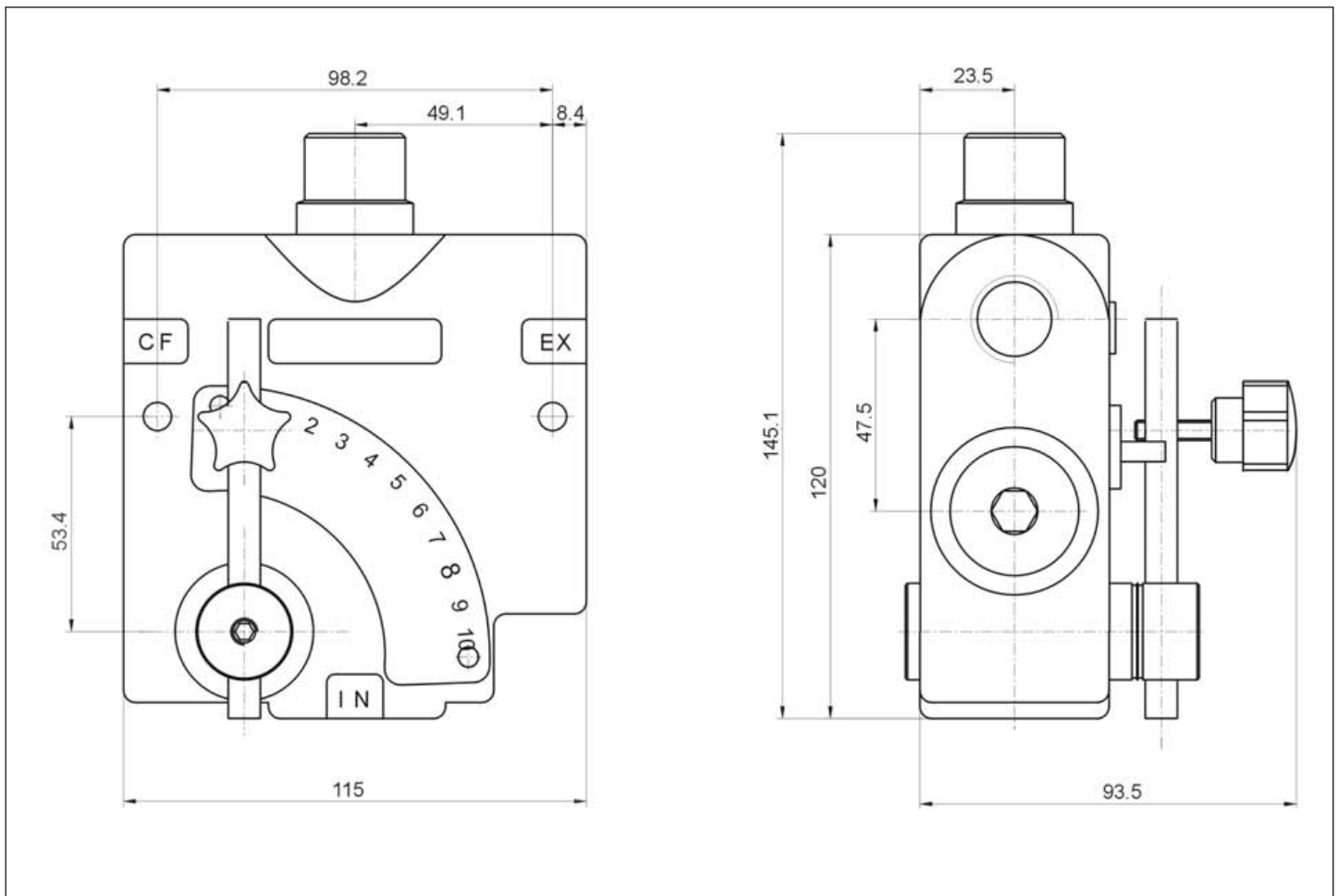
Performance Curves





Unit Dimensions

(Dimensions in mm)

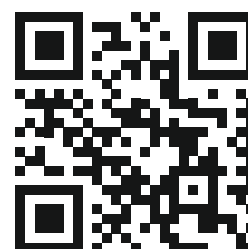


The specified data is for product description purposes only and may not be deemed to be guaranteed unless expressly confirmed in the contract.



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