

Tech Note

LS Compensating Valve PVFC



This Tech Note introduces LS compensating valve PVFC. PVFC is an important step towards the elimination of typical regulation problems that arise when, for example, PVG is used with LS-pumps that

• lead an oil flow into the LS-line

• are fitted with a high leakage LS-control

In the first case PVFC is used as an LS-controlled pressure relief valve. In the second case it is used as an LS-controlled pressure regulator.

PVFC must only be sold together with other hydraulic components from Danfoss.

Code number and weight	Code number	Weight (kg)
	158H805500	0.8



Technical data	Max.pressure (bar)		Max. flow
	cont.	int.	(l/min)
	350	400	3
			-

Conversion

PVFC is always supplied as an LS-controlled pressure regulator. If it is to be used as an LS-controlled pressure relief valve the following conversion must be made: 1. Remove nipple at ports 2 and 3 (a/flats 22)

2. Reverse spool

3. Fit the spring into port 3

4. Fit nipple with orifice into port 3

5. Fit nipple without orifice into port 2

The port numbers are stamped into the housing.

Dimensions



The numbers 1, 2, and 3 are stamped into the valve housing. E: G 1/4; 12 mm deep





Application

Function





that the pilot pressure for the LS-control always

matches the load pressure.







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