

## Danfoss priority valve Type OLS 120

HN.29.FA.02



### Introduction

Danfoss is introducing OLS 120, a priority valve for LS systems. OLS 120 occupies a natural position among the other Danfoss priority valves which now cover a complete flow range of up to 160 l/min.

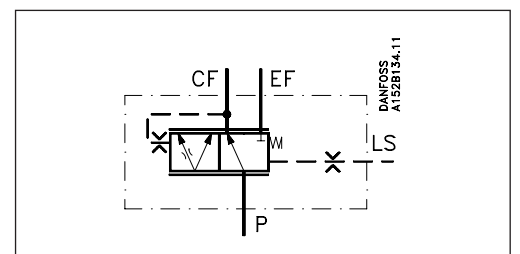
### Application and function

Priority valve OLS 120 is for use with steering unit OSPC LS in load sensing systems where the total oil flow demand does not exceed 120 l/min.

OLS 120 must be installed in-line.

See also the Hydrostatic steering components catalogue, sections:

- General information
- Examples of steering systems.



## Variants

Priority valve	Code numbers		Control spring pressure	Weight
	Connections			
	LS: G 1/4 CF: G 1/2 P/EF:G 3/4	LS: 7/16-20 UNF CF:3/4-16 UNF P/EF:1 1/16-12 UN	bar	kg
OLS 120	152B2231 152B2232 152B2233	152B2237 152B2238 152B2239	4 7 10	2,3 2,3 2,3

All the above code numbers apply to OLS 120 priority valves, Static versions, with internal PP. OLS 120 are not available with pilot pressure relief valve.

Please contact the sales organisation for Danfoss Hydraulics concerning Dynamic version, external PP and ports with metric threads. (PP = pilot pressure).

## Technical data

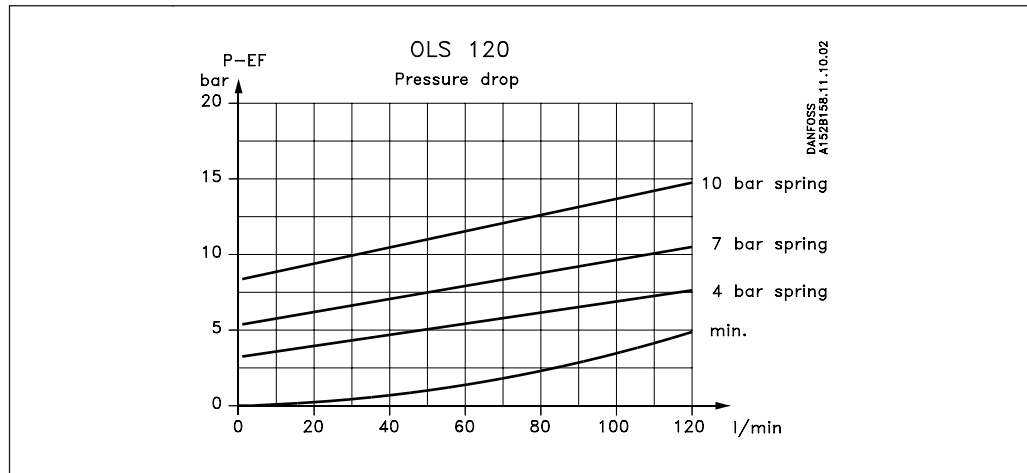
Rated oil flow to P	Max. pressure on connection		
	P, EF	CF	LS
120 l/min	250 bar	210 bar	210 bar

P = pump  
EF = excess oil flow  
CF = oil flow with highest priority  
LS = load sensing

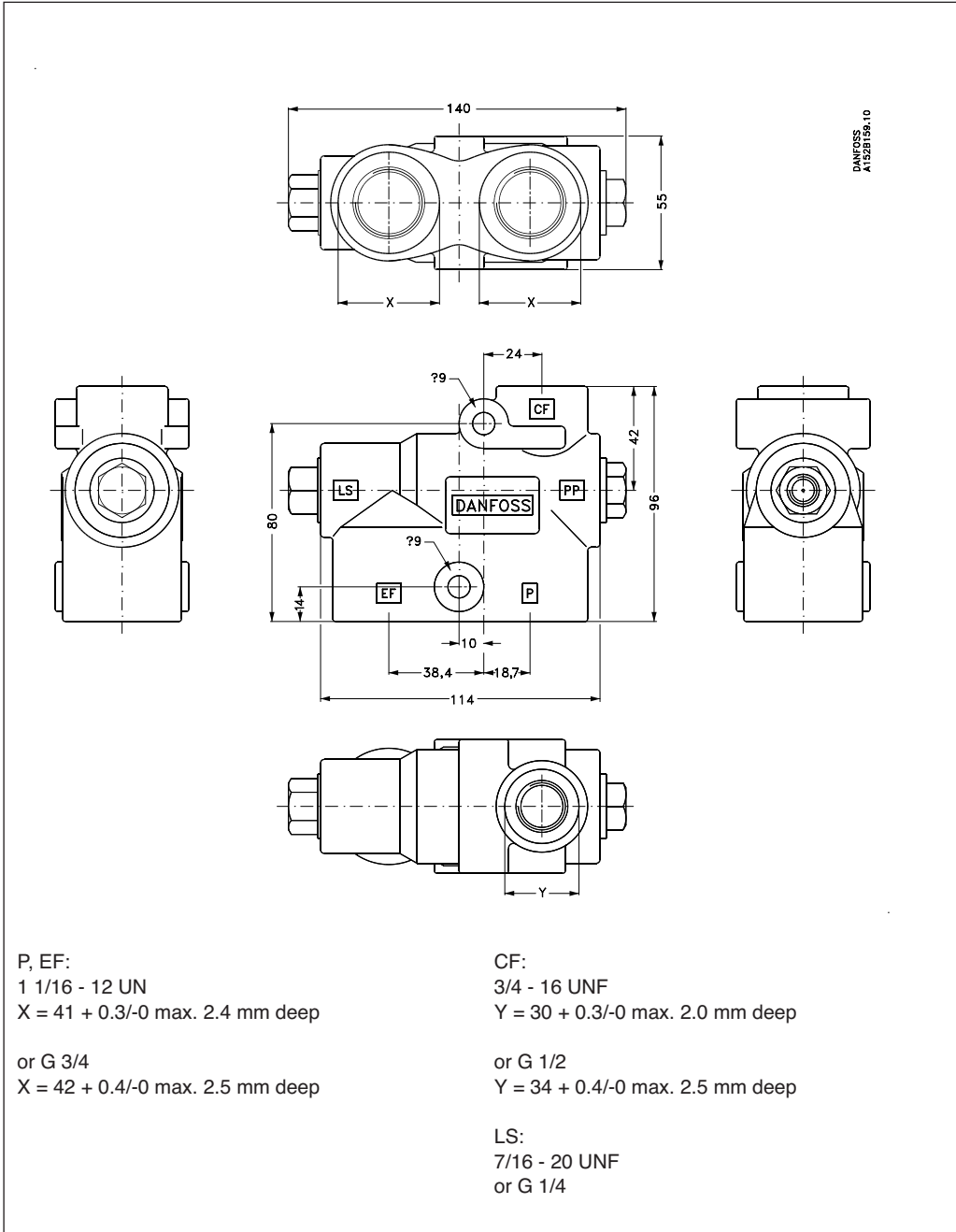
## Pressure drop

The following data has been obtained from a representative selection of OLS 120 priority valves (static). Oil viscosity: 21 cSt at 50°C. Pressure on the LS connection during measurement was zero.

The min. curve applies when pressure on the EF connection is higher than the control spring pressure. The curve for stand-by, 4, 7, or 10 bar, applies when pressure on the EF connection is zero.



**Dimensions**



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