# PRIORITY VALVES FOR HKUS.../5... TYPE PR...

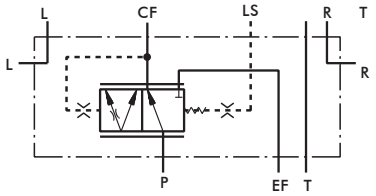
The Priority Valves distribute and trace the hydraulic flow from the supply pump of the hydraulic system to the hydraulic components which control and run the vehicle.

The Priority Valves are used only with the HKUS.../5(D)(T) hydrostatic steering units. When connected, the steering unit and the priority valve represent sophisticated hydraulic tracing system that controls the flow in both main pipelines of the hydraulic system (the working and control one) at any time of its operation.

As a static signal, the "LS" signal must be used in systems with circuit stability. The connection between the PRT, PRTA priority valves and the HKUS.../5T steering units has to be as short as possible, but should not exceed 1,5 m [4.92 ft] (for iron pipe with 4 mm [.157 in.] internal diameter). When a rubber hose is used this length has to be even shorter.

Priority valves with dynamic signal work in a system with dynamic hydrostatic steering units type HKUS.../5D (5DT).

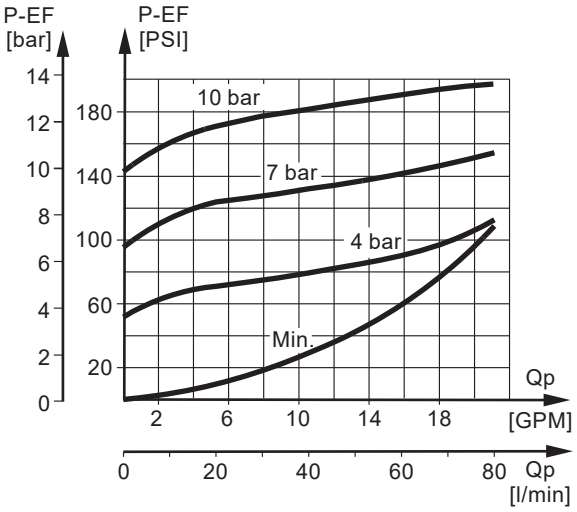
## Modulary Mounting




Static signal

PRD 40,80/...

## PR...80

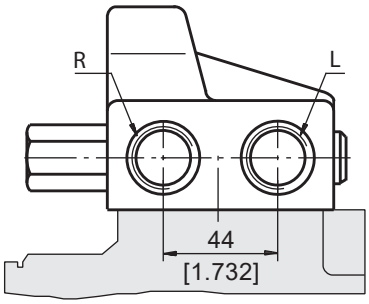


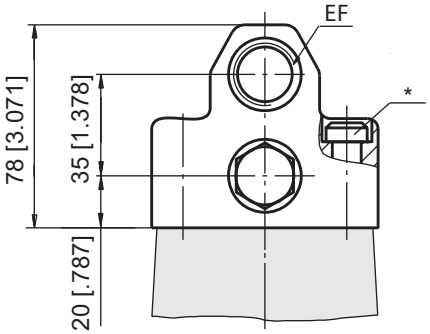
## SPECIFICATION DATA

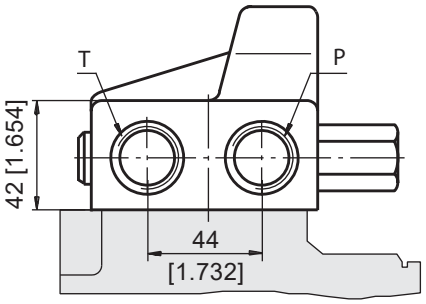
| Parameters | | | Type | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | PRD(D) | | | | | |
| Rated Flow | | lpm [GPM] | 80 [21.1] | | | | | |
| Control Spring Pressure | | bar [PSI] | 4 [58] | 7 [101.5] | 10 [145] | 4 [58] | 7 [101.5] | 10 [145] |
| Max. Pressures in Oil Ports: | P, EF | bar [PSI] | 250 [3625] | | | | | |
| | CF | | 210 [3045] | | | | | |
| | R, L | | 280 [4061] | | | | | |
| | LS | | 210 [3045] | | | | | |
| | PP | | | | | | | |
| | T | | | | | | | |
| Weight | | kg [lb] | 1,3 [2.87] | | | | | |

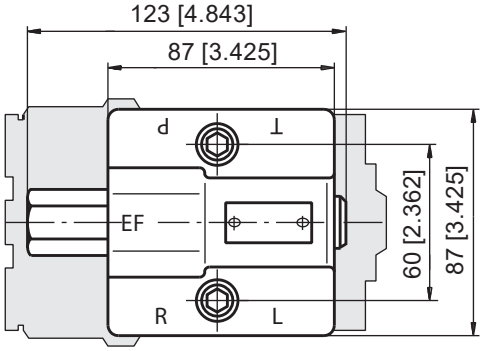
P - pump, EF - excess flow, CF - control flow (first priority oil flow),
L - left, R - right, LS - load sensing, T - tank, PP - pilot pressure (L, R and T - for PRD(D) only).

## DIMENSIONS AND MOUNTING DATA - PRD(D) 40, 80/...




| code | Ports - P, EF Thread | Ports - T, R, L Thread |
|---|---|---|
| - | G1/2 18 [.71] depth | G3/8 18 [.71] depth |
| M | M22x1,5 18 [.71] depth | M18x1,5 18 [.71] depth |
| A | 7/8 - 14 UNF O-ring 18 [.71] depth | 3/4 - 16 UNF O-ring 18 [.71] depth |

* Connection to the HKUS.../5(D)... is done with 2 screws M10x1x45 -10.9 DIN 912 or with 2 screws 3/8-24 UNF ANSI B18.3-76, 1.75" long. Tightening torque: 4,5±0,5 daNm [360 ± 440 lb-in ].

mm [in]