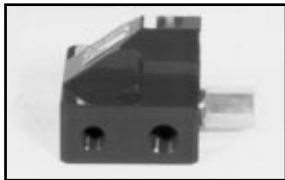


PRIORITY VALVES FOR HKUS.../5... TYPE PR...

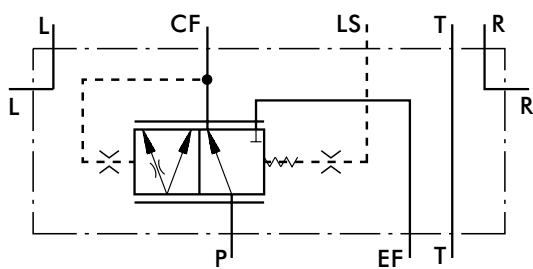


The Priority Valves distribute and trace the hydraulic flow from the supply pump of the hydraulic system to the hydraulic components which control and run the vehicle.

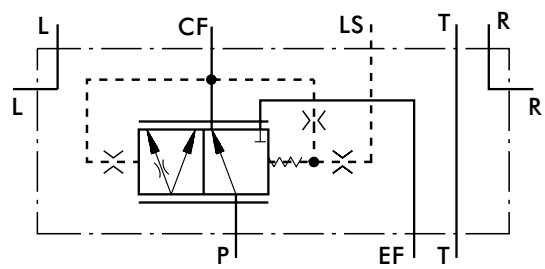
The Priority Valves are used only with the HKUS.../5(E)(T)(TE) hydrostatic steering units. When connected, the steering unit and the priority valve represent sophisticated hydraulic tracing system that controls the flow in both main pipelines of the hydraulic system (the working and control one) at any 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(TE) steering units has to be as short as possible, but should not exceed 1,5m (for iron pipe with $\varnothing 4$ internal diameter). When a rubber hose is used this length have to be even shorter.

Modulary Mounting

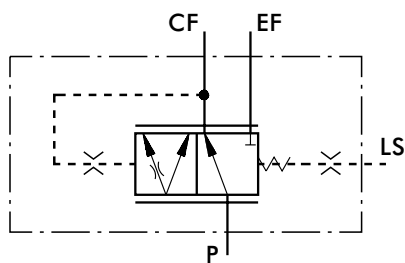


Static signal
PRD...40,80/...

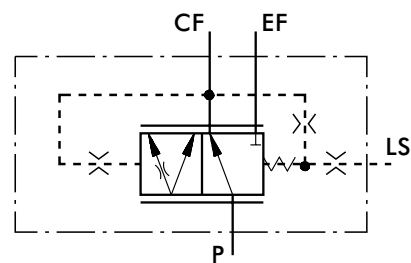


Dynamic signal
PRDD...40,80/...

Pipe Mounting

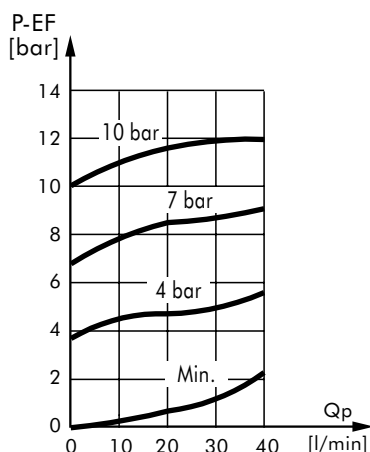


Static signal
PRT...40,80/...; PRTA...40,80/...

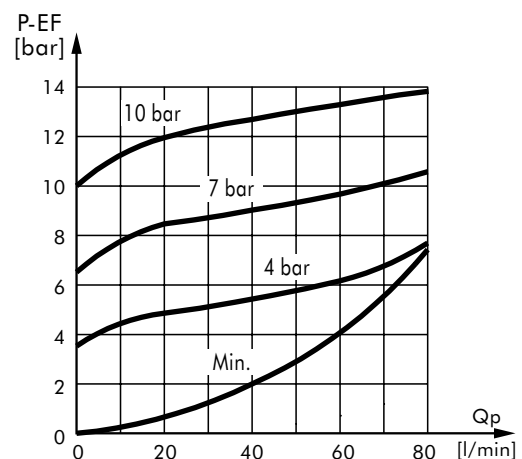


Dynamic signal
PRTD...40,80/...; PRTAD...40,80/...

PR...40



PR...80

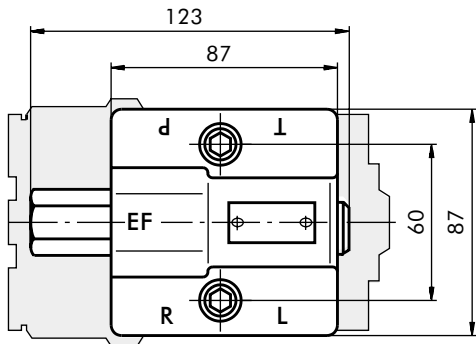
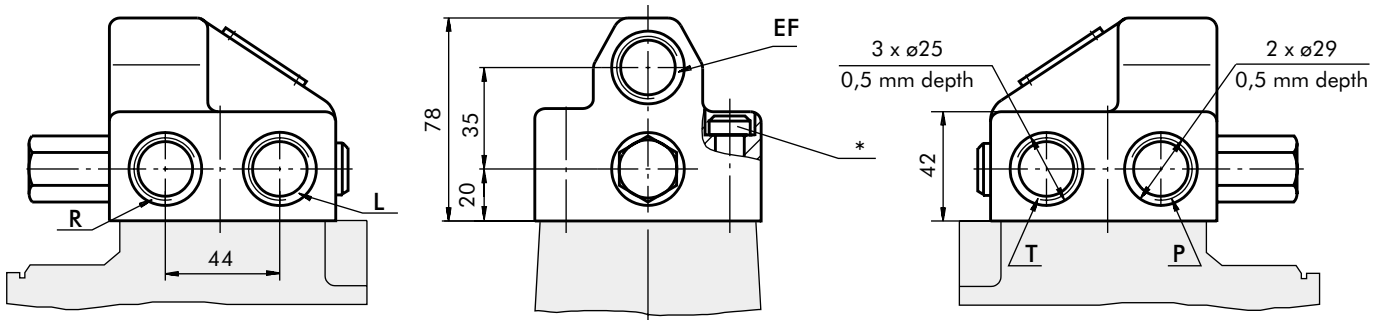


SPECIFICATION DATA

Parameters	Type					
	PRD(D), PRT(D)			PRTA(D)		
Rated Flow [l/min]	40; 80					
Control Spring Pressure [bar]	4	7	10	4	7	10
Max. Pressures in Oil Ports: [bar]	P, EF, R, L	250				
	LS, CF	175				
	T	20				
Weight, avg. [kg]	2,7			1,2		

P - pump, **EF** - excess flow, **CF** - control flow (first priority oil flow),
L - left, **R** - right, **LS** - load sensing, **T** - tank

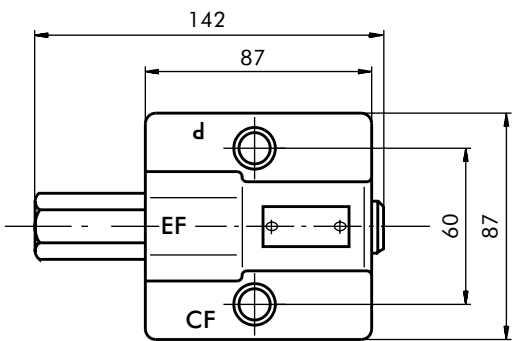
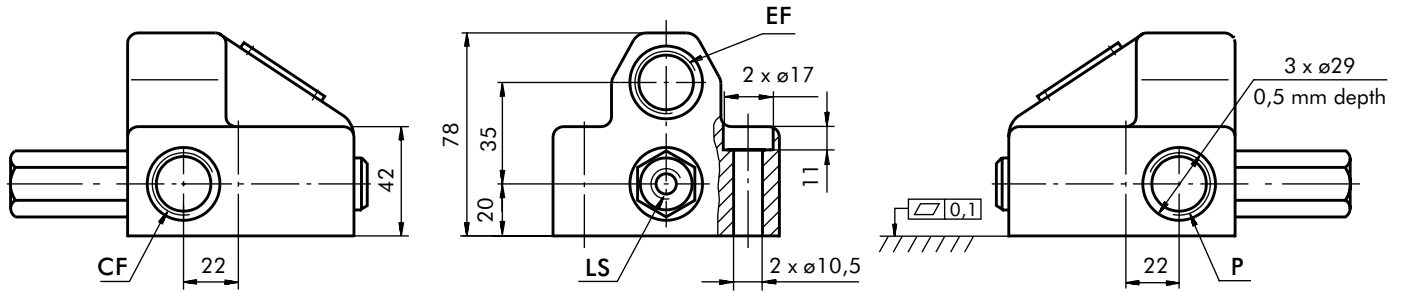
DIMENSIONS AND MOUNTING DATA - PRD(D) 40,80/...



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

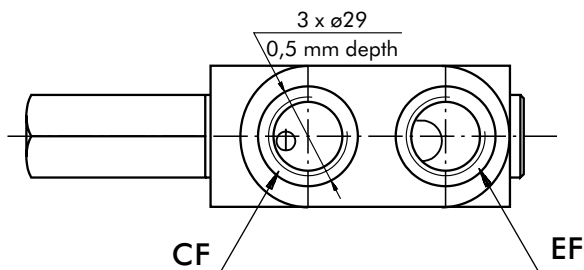
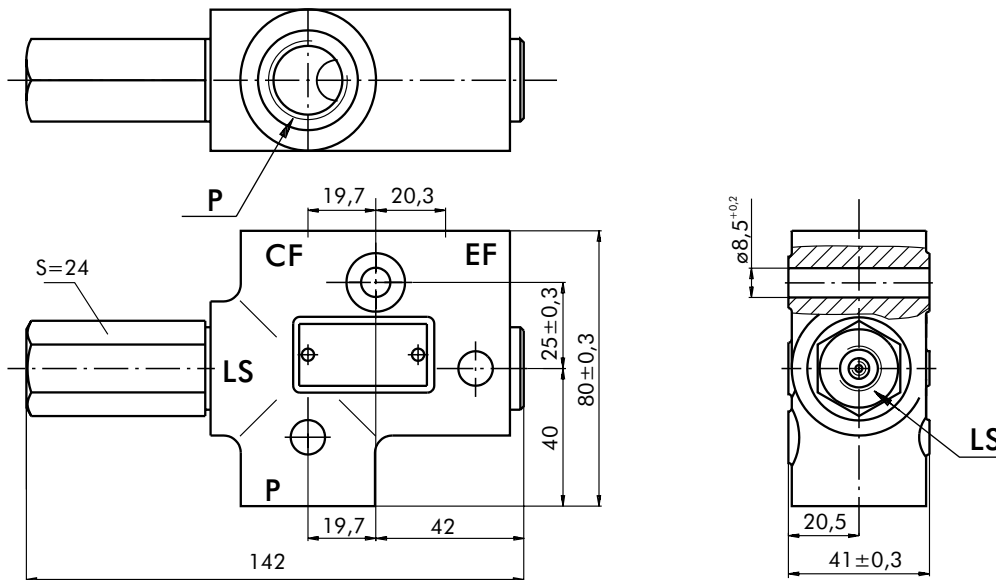
* Connection to the HKUS.../5... is done with 2 screws M10x1x45-10.9 DIN 912 or with 2 screws 3/8-24 UNF ANSI B18.3-76; 44,5 mm long.
Tightening torque: 4,5±0,5 daNm.

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



code	Ports - P, EF Thread	Port - CF Thread	LS - Port
-	G1/2 18 mm depth	G1/2 18 mm depth	G1/4 14 mm depth
M	M22x1,5 18 mm depth	M22x1,5 18 mm depth	G1/4 14 mm depth
A	7/8 - 14 UNF O-ring 18 mm depth	3/4 - 16 UNF O-ring 18 mm depth	7/16 - 20 UNF O-ring 12,7 mm depth

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

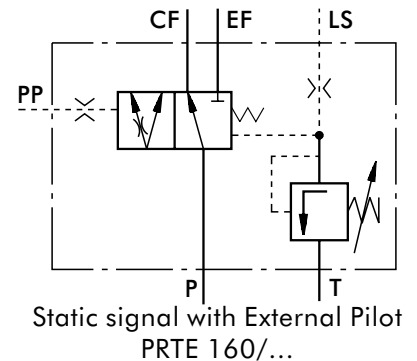
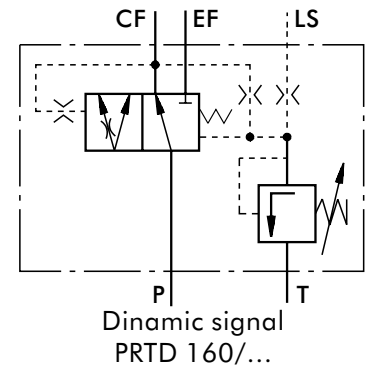
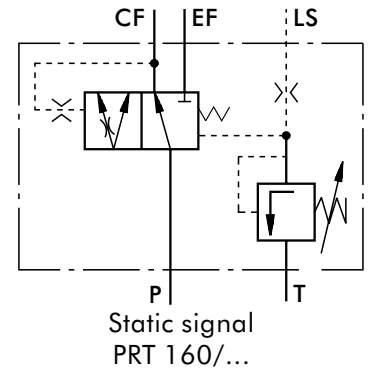


code	Ports - P, EF Thread	Port - CF Thread	LS - Port
-	G1/2 18 mm depth	G1/2 18 mm depth	G1/4 14 mm depth
M	M22x1,5 18 mm depth	M22x1,5 18 mm depth	G1/4 14 mm depth
A	7/8 - 14 UNF O-ring 18 mm depth	3/4 - 16 UNF O-ring 18 mm depth	7/16 - 20 UNF O-ring 12,7 mm depth

PRIORITY VALVES FOR HKUS.../5... TYPE PRT...160/



The Priority Valves PRT.../160 have built-in a pilot pressure relief valve, who protects the steering unit against excess pressure. The pilot pressure relief valve operates with the Shuttle of the Priority valve to limit the maximum steering pressure P-T measured across the steering units ports.



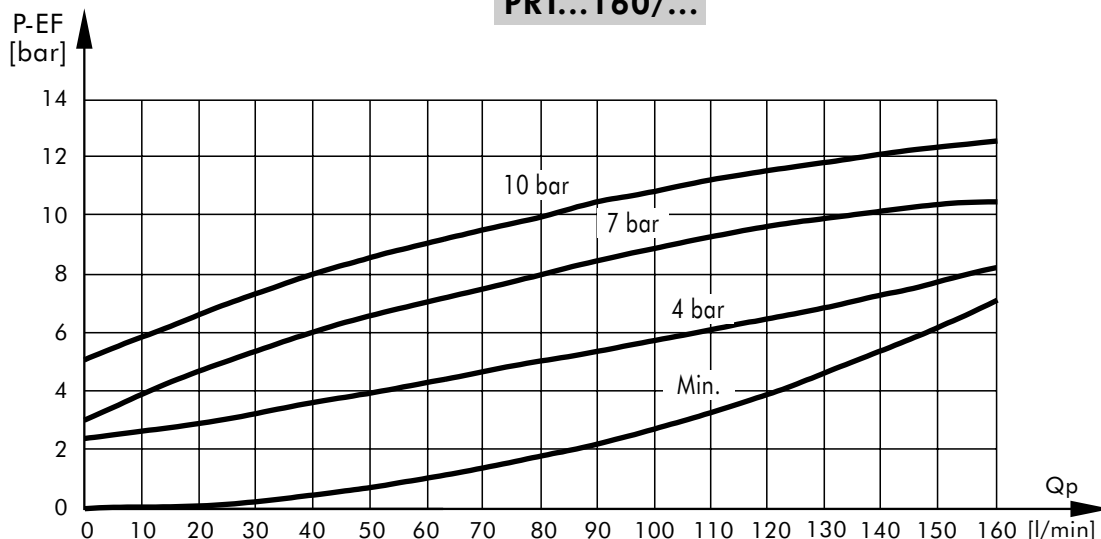
SPECIFICATION DATA

Parameters	Type		
	PRT(E), PRTD(E)		
Rated Flow [l/min]	160		
Control Spring Pressure [bar]	4	7	10
Max. Pressures in Oil Ports: [bar]	P, EF	250	
	LS, CF	210	
	T	15	
	PP	210	
Standart Relief Valve Pressure Settings [bar]	175*		
Weight, avg. [kg]	4,9		

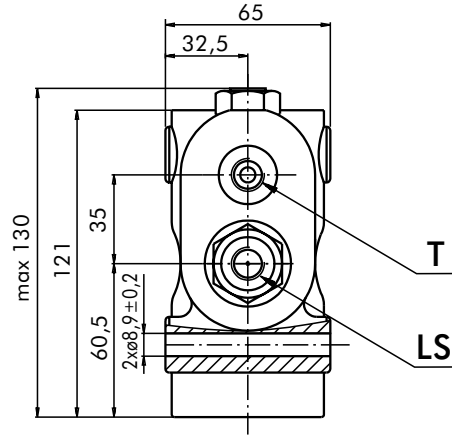
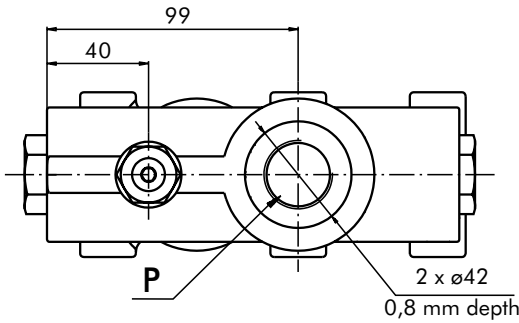
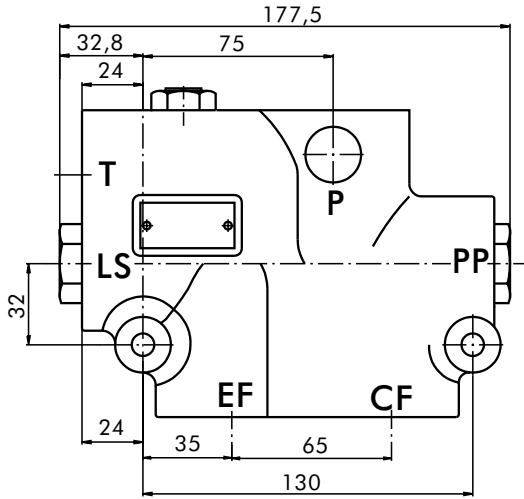
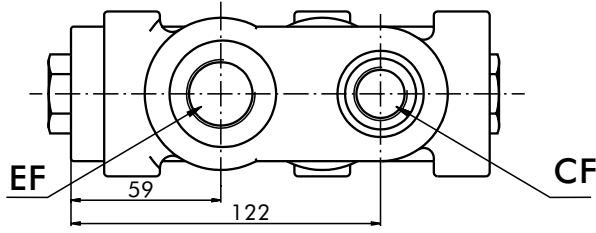
* - Adjusted valve pressure from 80 till 210 bar upon customer request.

P - pump, **EF** - excess flow, **CF** - control flow (first priority oil flow), **LS** - load sensing, **T** - tank, **PP** - pilot pressure

PRT...160/...



DIMENSIONS AND MOUNTING DATA - PRT...160/...



code	Ports - P, EF Thread	Port - CF Thread	LS, PP, T - Ports
-	G3/4 20,5 mm depth	G1/2 18,5 mm depth	G1/4 12,5 mm depth
A	1 1/16 - 12 UN O-ring 20,5 mm depth	3/4 - 16 UNF O-ring 18,5 mm depth	7/16 - 20 UNF O-ring 12,5 mm depth
M	M27x2 20,5 mm depth	M18x1,5 18,5 mm depth	M12x1,5 12,5 mm depth

ORDER CODE

1	2	3	4	5	6	7
PR			/	-		

Pos.1 - Mounting

- D** - Modularly Mounting
- T** - Pipe Mounting (Model 1)
- TA** - Pipe Mounting (Model 2)

Pos.2 - Signal Type

- omit - with Static signal
- D** - with Dinamic signal
- E*** - with Static signal w/ External Pilot

Pos.3 - Rated Flow, l/min

- 40** **80** **160****

Pos.4 - Control Spring Pressure , bar

- 4** **7** **10**

Pos.5 - Ports

- omit - BSPP (ISO 228)
- A** - SAE (ANSI B 1.1 - 1982)
- M** - Metric (ISO 262)

Pos.6 - Option (Paint)***

- omit - No Paint
- P** - Painted
- PC** - Corrosion Protected Paint

Pos.7 - Design Series

- omit - Factory specified

NOTES:* Only for PRT 160/...

****** Only for PRT

******* Colour at customer's request.

The priority valves are mangano-phosphatized as standard.