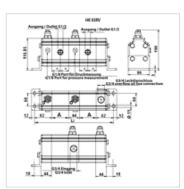
HK 92RV 04 BG2

Gear flow divider, size 2 92RV 4-way



Properties	
Design	with one phase compensation valve and anti- cavitation valve per section external leak oil discharge Adjustment range DBV: 70-210 bar
Rotational speed range	1200 - 2500 U/min
Pressure difference	max. 30 bar (between the sections)
Recommended speed	1800 - 2000 rpm





Note

Before commissioning the system, the first running-in of the gear flow divider should be under no load.

Diagrams and circuit diagrams essentially valid as schematic diagrams also for 4-way flow dividers.

Description

This flow divider is used to supply four independent hydraulic circuits with just one pump

Division error approx. 3%

Different pressure settings for each section possible

Valves settable from 70-210 bar, other setting ranges on request

Modification to internal leak oil discharge possible - For this, close off port T with G1/2" blind plug (modification recommended only after consultation!)

After modification to internal leak oil discharge, the integrated suction valves are decommissioned

Configuration of gear flow dividers: qi = Q/z * 1000/n

qi = displacement/section [cm3]; Q = total intake volumetric flow [l/min]; z = no. of sections; n = rotating speed [rpm]

Item									
Identification	Intake volume per section	p1 max.	p2 max.	Flow per element min.	Flow per element max.	Flow per ele- ment	Α	Li	Weight
	(cc)	(bar)	(bar)	(L/min)	(L/min)	(L/min)	(mm)	(mm)	(kg)
HK 92RV 04 B 41	4,00	210	260	4,80	10,00	7,60	47	444	11,1
HK 92RV 04 B 43	6,00	210	260	7,20	15,00	10,80	50	456	11,8
HK 92RV 04 B 45	9,00	210	260	10,80	22,50	15,10	54	472	12,4
HK 92RV 04 B 47	11,00	210	260	13,20	27,50	19,40	58	488	13,0
HK 92RV 04 B 49	14,00	200	230	16,80	35,00	25,90	64	512	13,7

p1 = max. working pressure - p2 = max. peak pressure