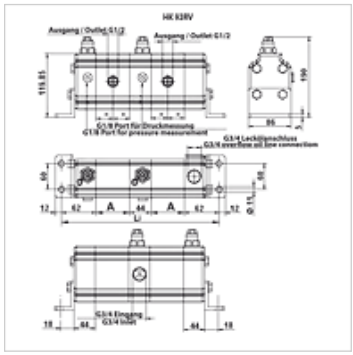
HK 92RV 04 BG2

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.

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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 (cc)	p1 max. (bar)	p2 max. (bar)	Flow per element min. (L/min)	Flow per element max. (L/min)	Flow per element (L/min)	A (mm)	Li (mm)	Weight (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

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