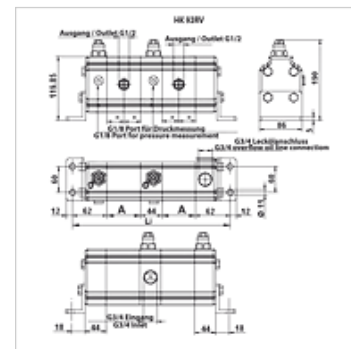
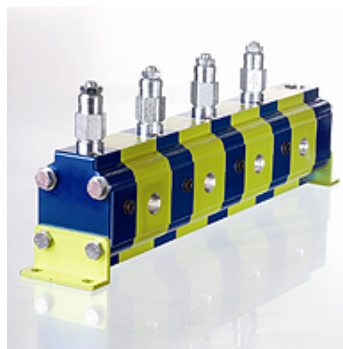


# HK 92RV 04 BG2

## Gear flow divider, size 2 92RV 4-way

### Properties

<b>Design</b>	with one phase compensation valve and anti-cavitation valve per section external leak oil discharge Adjustment range DBV: 70-210 bar
<b>Rotational speed range</b>	1200 - 2500 U/min
<b>Pressure difference</b>	max. 30 bar (between the sections)
<b>Recommended speed</b>	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:  $q_i = Q/z * 1000/n$

$q_i$  = displacement/section [cm<sup>3</sup>];  $Q$  = 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