

# HK 9RV 04 BG1

Gear flow divider, size 1 9RV 4-way

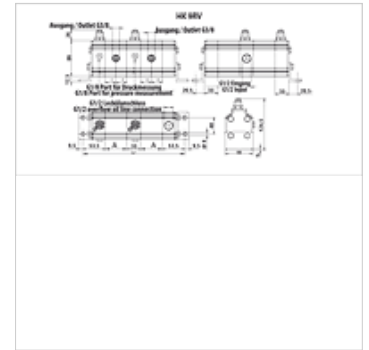
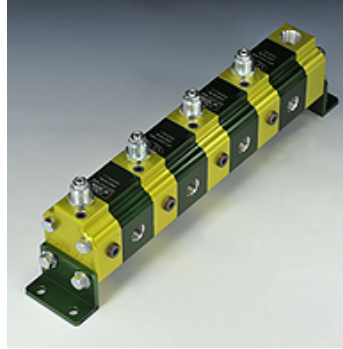
## Properties

**Design** with one phase compensation valve and anti-cavitation valve per section  
external leak oil discharge  
Adjustment range DBV: 7-210 bar

**Rotational speed range** 1200 - 2700 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!)

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 9RV 04 A 18	1,70	220	270	2,00	9,50	4,00	44	382	4,50
HK 9RV 04 A 20	2,20	220	270	2,50	13,00	5,00	46	390	4,55
HK 9RV 04 A 21	2,60	220	270	3,00	16,00	6,00	48	398	4,70
HK 9RV 04 A 23	3,20	220	270	3,50	19,00	7,00	50	406	4,85
HK 9RV 04 A 25	3,80	200	240	4,50	22,50	8,00	52	414	4,95

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