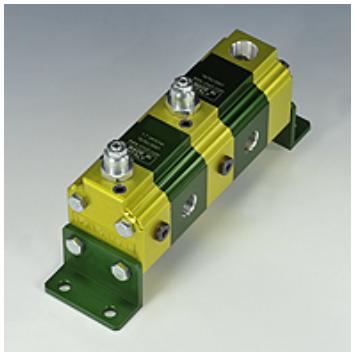
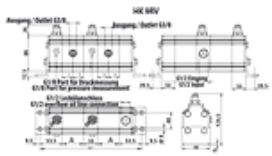
HK 9RV 02 BG1

Gear flow divider, size 1 9RV 2-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.

Description

This flow divider is used to supply two 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: 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 9RV 02 A 18	1,70	220	270	2,00	9,50	4,00	44	228	2,25
HK 9RV 02 A 20	2,20	220	270	2,50	13,00	5,00	46	232	2,30
HK 9RV 02 A 21	2,60	220	270	3,00	16,00	6,00	48	236	2,35
HK 9RV 02 A 23	3,20	220	270	3,50	19,00	7,00	50	240	2,45
HK 9RV 02 A 25	3,80	200	240	4,50	22,50	8,00	52	244	2,55

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

Despite careful checking, we cannot guarantee the accuracy of all information included on this site, and we accept no liability.