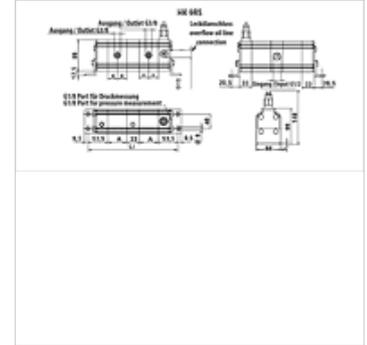


# HK 9RS 02 BG1

Gear flow divider, size 1 9RS 2-way

## Properties

<b>Design</b>	with central phase compensation valve external leak oil discharge Adjustment range DBV: 70-210 bar
<b>Rotational speed range</b>	1200 - 2700 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.

## Description

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

Division error approx. 3%

Equal pressure setting for all sections

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

Modification to internal leak oil discharge possible - For this, remove the cylinder head screw in port T and close off the port 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 9RS 02 D 18	1,70	220	270	2,00	9,50	4,00	44	228	2,20
HK 9RS 02 D 20	2,20	220	270	2,50	13,00	5,00	46	232	2,25
HK 9RS 02 D 21	2,60	220	270	3,00	16,00	6,00	48	236	2,35
HK 9RS 02 D 23	3,20	220	270	3,50	19,00	7,00	50	240	2,45
HK 9RS 02 D 25	3,80	200	240	4,50	22,50	8,00	52	244	2,55

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