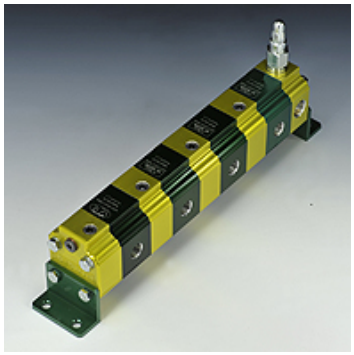
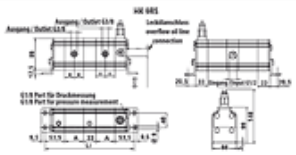
HK 9RS 04 BG1

Gear flow divider, size 1 9RS 4-way

Properties

Design	with central phase compensation valve external leak oil discharge Adjustment range DBV: 70-210 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%
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: 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 9RS 04 D 18	1,70	220	270	2,00	9,50	4,00	44	382	5,50
HK 9RS 04 D 20	2,20	220	270	2,50	13,00	5,00	46	390	4,55
HK 9RS 04 D 21	2,60	220	270	3,00	16,00	6,00	48	398	4,70
HK 9RS 04 D 23	3,20	220	270	3,50	19,00	7,00	50	406	4,85
HK 9RS 04 D 25	3,80	200	240	4,50	22,50	8,00	52	414	4,95

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.