

Properties

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|-------------------------------|--|
| Design | with one phase compensation valve and anti-cavitation valve per section 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.

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: $q_i = Q/z * 1000/n$

q_i = 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) | Flow per element min. (L/min) | Flow per element max. (L/min) | Flow per element (L/min) | A (mm) | B (mm) | C (mm) | D (mm) | E (mm) | F (mm) | F1 (mm) | H (mm) | Li (mm) | Ø R1 (mm) | Weight (kg) |
|----------------|--------------------------------|---------------|-------------------------------|-------------------------------|--------------------------|--------|--------|--------|--------|--------|--------|---------|--------|---------|-----------|-------------|
| HK 9RV 04C 01 | 0,17 | 210 | 0,20 | 1,20 | 0,40 | 29,3 | 292,2 | 46 | 32,5 | 54,25 | 88,3 | 123,3 | 50 | 278 | 6,5 | 2,1 |
| HK 9RV 04C 02 | 0,25 | 210 | 0,30 | 1,80 | 0,70 | 29,9 | 294,6 | 46 | 32,5 | 54,25 | 88,3 | 123,3 | 50 | 281 | 6,5 | 2,1 |
| HK 9RV 04C 04 | 0,45 | 210 | 0,60 | 3,00 | 1,20 | 31,5 | 301,0 | 46 | 32,5 | 54,25 | 88,3 | 123,3 | 50 | 287 | 6,5 | 2,1 |
| HK 9RV 04C 05 | 0,57 | 210 | 0,80 | 3,80 | 1,50 | 32,5 | 305,0 | 46 | 32,5 | 54,25 | 88,3 | 123,3 | 50 | 291 | 6,5 | 2,2 |
| HK 9RV 04C 06 | 0,76 | 210 | 1,00 | 4,80 | 2,00 | 34,0 | 311,0 | 46 | 32,5 | 54,25 | 88,3 | 123,3 | 50 | 297 | 6,5 | 2,2 |

p1 = max. working pressure