

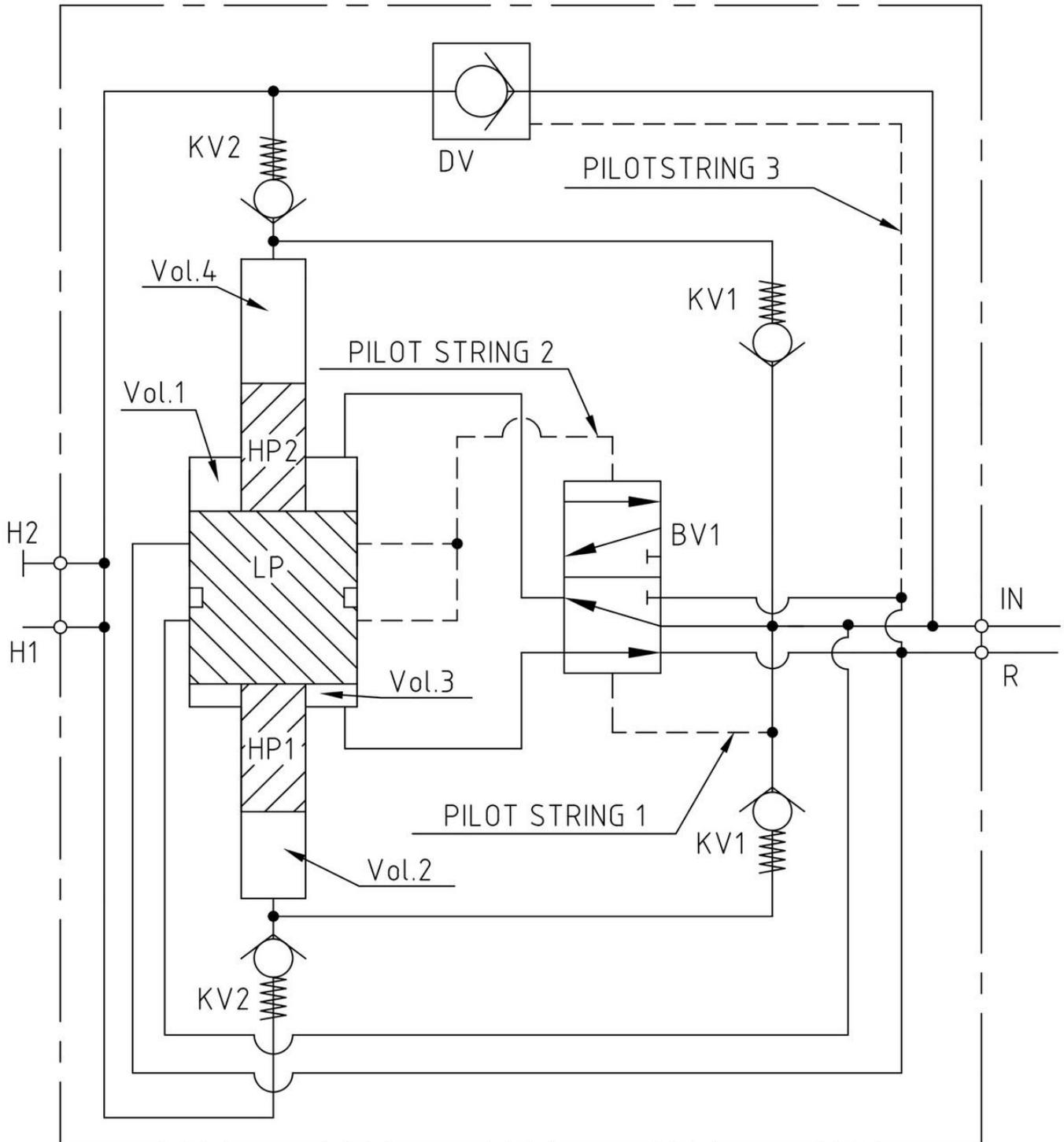


## Functions

The basic operation is illustrated in the function diagram. Oil is fed through the directional valve CV to the IN port, flowing freely through the check valves 2x KV1, 2x KV2 and DV to the high pressure side H. In this condition maximum flow through the booster is achieved giving a fast forward function.

When pump pressure is reached on the high pressure side H, valves KV1, KV2 and DV will close. The end pressure will be achieved by the oscillating pump units OP1 and OP2 by turns. The unit will automatically stall when end pressure on high pressure side H is reached. If there is a pressure drop on the high pressure side due to consumption or leakage, the OP1 and OP2 units will automatically operate to maintain the end pressure. It is possible to change the high pressure connection H to the opposite end of the booster.

## Function Diagram



0-121-02

## Connection types

Connection	IN / R	H
1	1/2" BSP	1/2" BSP

## Max. tightening torque BSP

	IN / R	H
	1/2" BSP	1/2" BSP
with steel washer	13.0 da/ Nm	13.0 da/ Nm
with aluminium washer	7.0 da/ Nm	–
with cutting edge	13.0 da/ Nm	13.0 da/ Nm

## Fluids and materials

Please see General Specifications

## Ordering a HC6D

Ordering example of a HC6D with  $i = 4.0$ , DV incorporated and BSP connections: HC6D - 4.0 - B - 1

Model	Intensification, $i$	Dump Valve	Connections
HC6D	your selection...	your selection...	your selection...
	see flow rate table	A = (no) / A model	1
		B = (yes) / B model	
		G = (proportional) / G model	