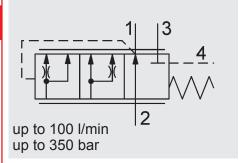
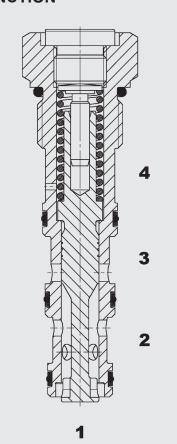
DA(=) INTERNATIONAL



Priority Valve (Pressure Compensator) Spool Type, Direct Acting Cartridge Valve UNF - 350 bar DW12P

FUNCTION



The pressure compensator DW12P is a direct-acting, spring-loaded, smoothoperating spool valve.

Its task is to supply port 1 as the first priority regardless of the load pressure (port 4). It is normally open at service port 1 and is supplied by pump port 2. If the pressure differential increases to overcome the spring force, the spool will shift to a throttle function at port 1 and will then begin to supply port 3 as the secondary priority.

It is irrelevant to the function of the priority pressure compensator whether the pressure is higher at the first priority port 1 or at the secondary priority port 3. The priority pressure compensator can be used in steering control units, for example, to safeguard the steering when a vehicle is

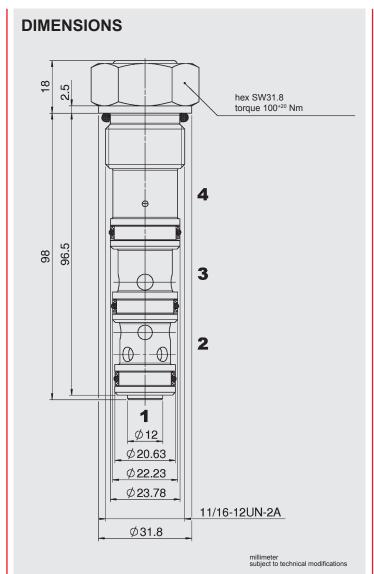
FEATURES

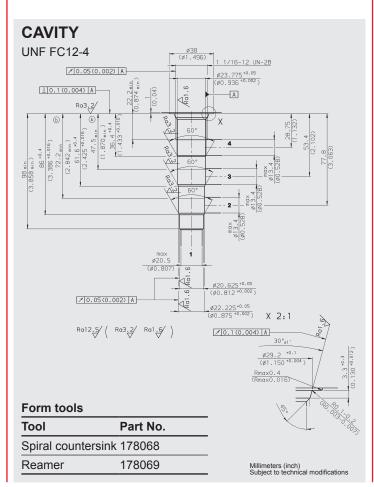
- Hydrodynamic damping
- Excellent stability throughout pressure and flow range
- External surfaces zinc-plated and corrosion-proof
- Hardened and ground valve components to ensure minimal wear and extended service life
- Used as a load sensing valve to control the flow rate of consumers independently of the pressure

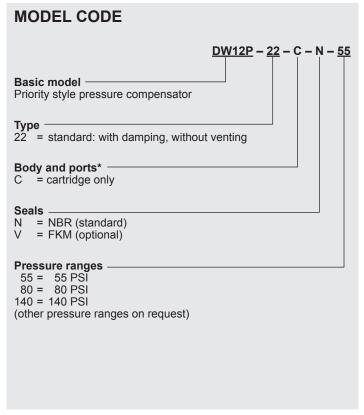
SPECIFICATIONS

Operating pressure:	max. 350 bar		
Nominal flow:	max. 100 l/min		
Media-operating temperature range	min30 °C to max. +100 °C		
Ambient temperature range:	min30 °C to max. +100 °C		
Operating fluid:	Hydraulic oil to DIN 51524 T1 + T2		
Viscosity range:	min. 10 mm²/s to max. 420 mm²/s		
Filtration:	Class 21/19/16 according to ISO 4406 or cleaner		
MTTF _d :	150 years (see "Conditions and instructions for valves" in brochure 5.300)		
Installation:	No orientation restrictions		
Materials:	Valve body:	High tensile steel	
	Closing elemen	Closing element:Hardened and ground steel	
	Seals:	NBR (standard) FKM (optional, temperature range -20 °C to +120 °C)	
	Back-up rings:	PTFE	
Cavity:	FC12-4		
Weight:	0.4 kg		

moving.







Standard models

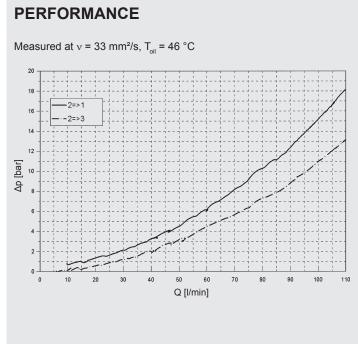
Model code	Part No.
DW12P-22-C-N-55	3304335

*Standard Line Bodies

Code	Part No.	Material	Ports	Pressure
FH124-AB6	3054099	Aluminium, anodized	3/4"	210 bar
FH124-SB6	3054097	Steel, zinc plated	3/4"	420 bar

Seal kits

On request



NOTEThe information in this brochure relates to the operating conditions and applications described. For applications or operating conditions not described, please contact the relevant technical department.
Subject to technical modifications.

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