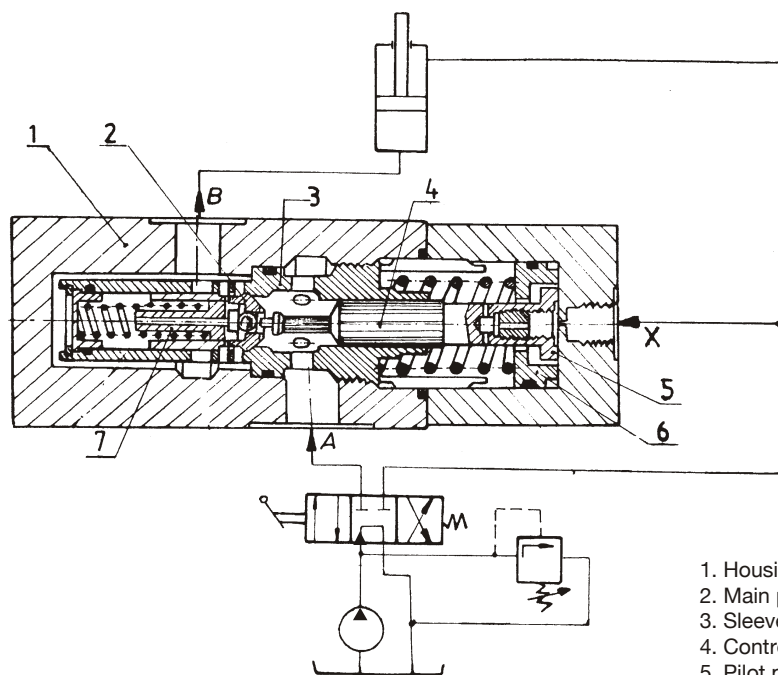




- Braking valves are applied in open systems for regulation of speed in hydraulic motors and cylinders independently of load. They have one additional function - protection in the event of a sudden line breakage
- The valves with ameliorated solution for braking and blocking, enables:
 - blocking of the flow in one and hydraulic opening for the free flow in the opposite direction
 - regulation of the return flow according to the flow supplied to the hydraulic motor. On cylinders, the active areas ratio must be taken into account
 - function of spillover valve since there is free flow in the opposite direction
 - function of secondary pressure relief valve
- By applying this valve in a system, uncontrolled acceleration of the cylinder or of the hydraulic motor is evaded (the flow in pressure line always depends on the flow in return line)
- To regulate the closing speed of the braking valve, a throttle - check valve is fitted in line X, in systems with cylinders. If used in systems with hydraulic motors, no throttle - check valve should be fitted in line X.



1. Housing
2. Main piston
3. Sleeve
4. Control piston
5. Pilot piston
6. Trailing piston
7. Auxiliary piston

TECHNICAL DATA

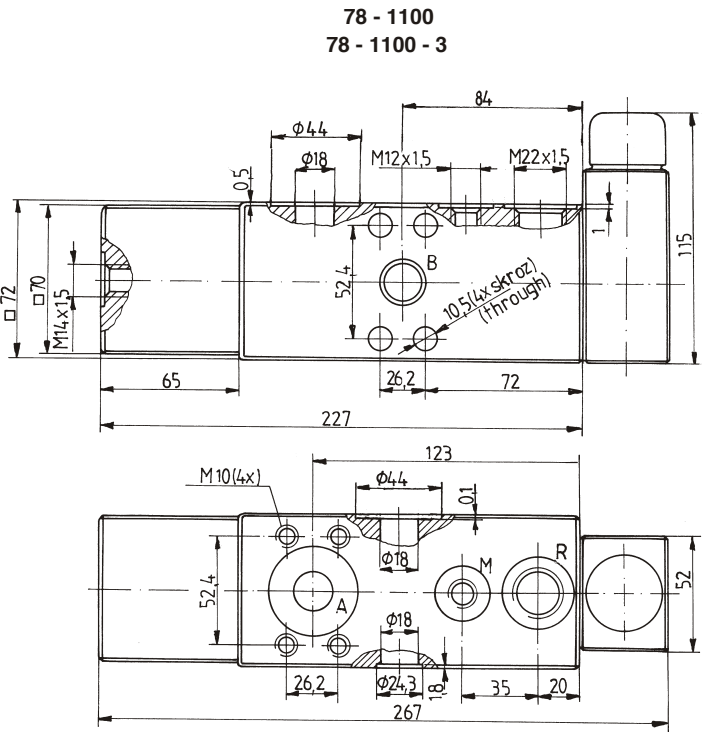
GENERAL

Nominal size	20		16
Designation	78 - 1100	78 - 1100 - 3	78 - 1100 - 2
Symbol			
Mounting method	In pipeline		On subplate
Mounting position	Optional		
Ambient temperature (°C)	... +50		

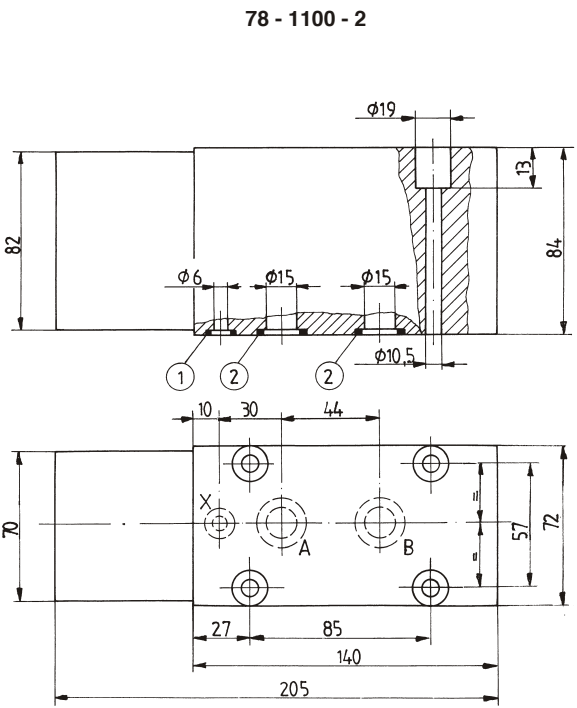
HYDRAULIC

Flow (l/min)	200	200	100
max	315		
Pressure Pilot (X) (bar)	20 - 35	10 - 20	20 - 25
Cracking (A - B)	2		
Working fluid	mineral oil		
	viscosity (mm² s)	11,6 - 230	
	temperature (°C)	-20 à +70	

MOUNTING DRAWING (dimensions in mm)



① = O - ring 8,3 x 2,4



② = O - ring 19,3 x 2,4

WARNING

Errors in the selection or use of the products and / or systems described, can cause serious personal injury and property damage. It is critical that all aspects of the application and the operating conditions and products chosen are analyzed and re-examined. Making own tests and evaluations, the user is the only one able to ensure compliance with performance, safety and cautionary use requirements.

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