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1 Product Description

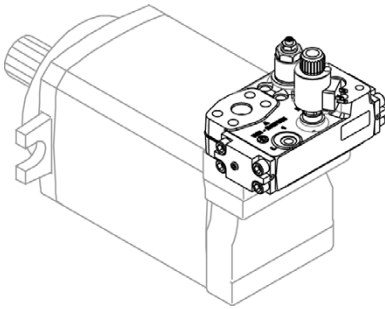
The quick stop valve is used for bringing a hydraulic motor to a standstill in the quickest possible time controlled by an electronic signal.

1.1 Application

It can be used anywhere that stopping a hydraulic motor with an extremely short reaction time is important. One application is in forage choppers, where the feed rollers for the forage must be stopped immediately if a metallic object enters the feeder.

1.2 Mounting location (Recommendation)

The quick stop valve is flanged directly motor.



2 Function

There are three modes of operation:

1. Normal:

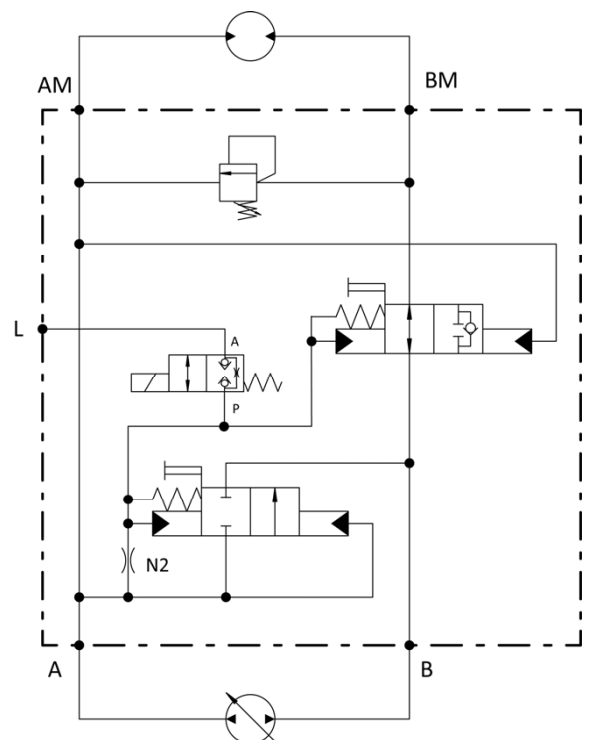
The oil flow runs through the valve to the motor and is routed back to the tank with very little pressure loss.

2. Reversing:

The oil flow can run back through the valve to allow the motor to be reversed.

3. Stop function:

The valve brings the motor to a standstill in the quickest time possible. This is done as follows: If the stop is triggered electronically, the oil flow is interrupted to the motor and is routed through a bypass to the tank. The return line for the motor is blocked at the same time. This brakes the motor and the downstream drive units abruptly. The brake pressure that is built up by the inertia is dissipated by the valve.



2.1 Characteristics

- Flanged on motor
- Electrical actuation with signal encoder

3 Technical Data

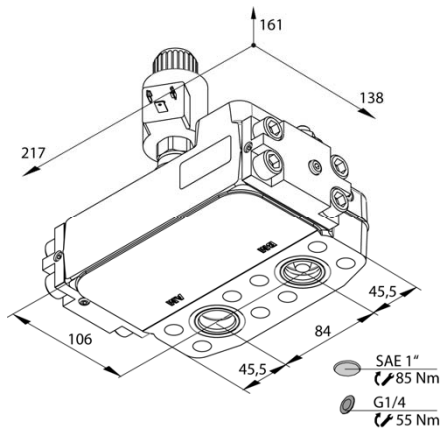
Criterion	Units	Wert	
General			
Installation position		any	
Weight, kg	kg	13,1	
Max. input pressure	bar	415	
Input flow rate	l/min	300	
Port			
		Port Size	Pmax
A, B, AM, BM	bar	SAE 1" – 6000 psi	350
L	bar	G ¼" ISO 1179-1	<1
Hydraulic			
Hydraulic fluid		Mineral oil (HL, HLP) conforming with DIN 51524, other fluids upon request	
Hydraulic fluid pressure range	°C	-20 – +80 °C	
Ambient temperature	°C	< +50 °C	
Viscosity range	mm ² /s	2.8 – 500	
Contamination grade		Filtering conforming with NAS 1638, class 9, with minimum retention rate $\beta_{10} \geq 75$	
Elektrik			
Supply voltage	VDC	24	
Voltage tolerances	%	+/- 10	
Power consumption	W	33	
I nominal	A	2.9 at 12 VDC, 1.4 at 24 VDC	
Power-on time	%	100	
Protection class according to DIN 40050		IP 65	
Current supply		Device socket for ISO 4400 angle connector	

4 Installation

4.1 General remarks

- Observe all installation and safety information of the machine manufacturer.
- Only technically permitted changes are to be made on the machine.
- The user has to ensure that the device is suitable for the respective application.
- Application exclusively for the range of application specified by the manufacturer.
- Before installation or deinstallation, the hydraulic system is to be depressurized.
- Settings are to be made by qualified personnel only.
- Opening is only to be performed with the approval of the manufacturer, otherwise the warranty is invalidated.
- No responsibility is taken for the correctness of these installation recommendations, the functionality and the technical details of the machine must be checked.

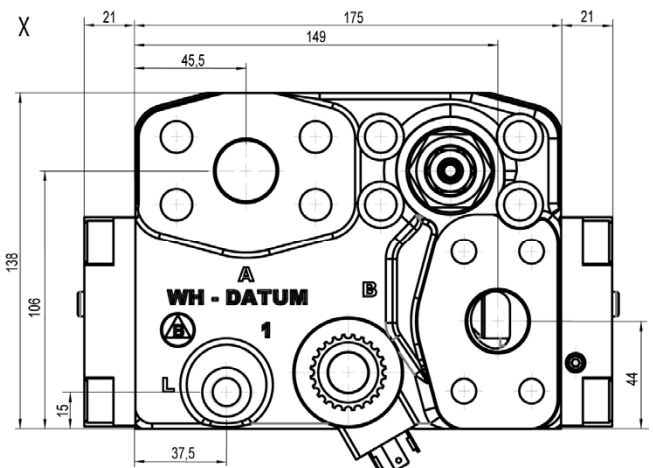
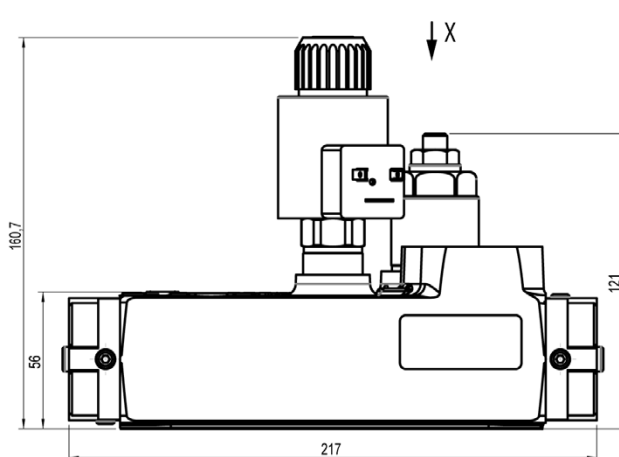
4.2 Installation - Space



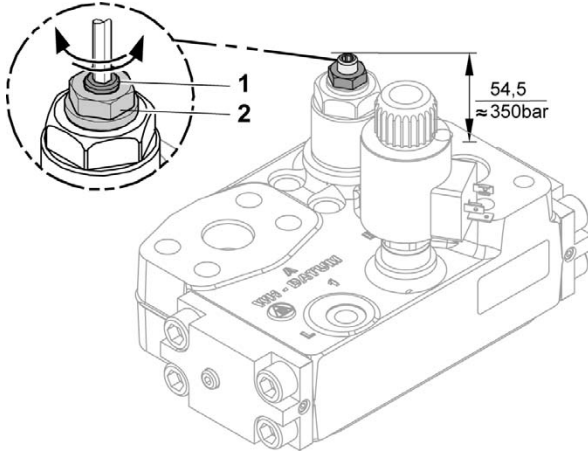
The maximum tightening torque for connection and fastening bolts when using cylinder head screws M12 (strength class 8.8 or higher) is 85 Nm.

	SAE size	Max. working pressure [bar]	A	B
	SAE CODE 62			
	1"	420	27,8	57,2

5 Dimensions



6 Setting the pressure limitation

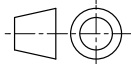


The pressure limit valve is preset to 350 bar by the factory. The specifications of the manufacturer are to be taken into consideration when changing the pressure range.

7 Notes, Standards and Safety Requirements

7.1 General remarks

- The views in drawings are shown in accordance with the European normal projection variant



- A comma (,) is used as a decimal point in drawings
- All dimensions are given in mm

7.2 Standards

The following standards are to be observed because of the surface temperatures on the valve:

- EN 563, Temperatures on surfaces that can be touched.
- EN 982, Safety-technical requirements for fluid-technical systems and their components.

8 Accessories

- Junior Timer plug part number 340.305.900.6