

## 6.6.1 Hydraulic

### Hydraulic hopper lift system

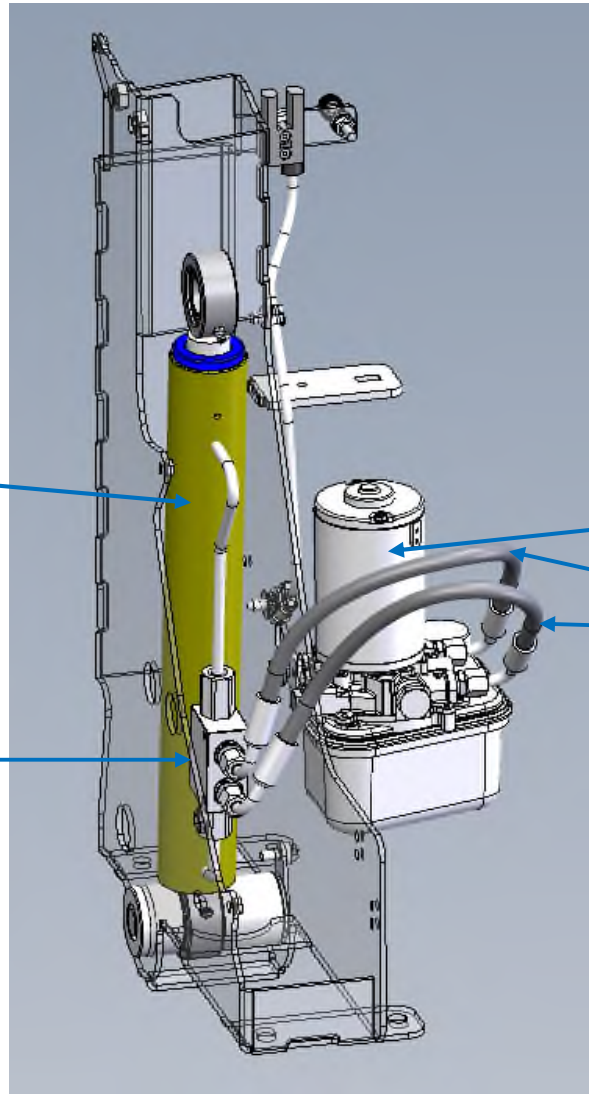
Machine with the container raised and in the emptying position. The hydraulic system of the B400RH is only used to raise / lower the hopper when the sweeping attachment is in place.



**Components of the hydraulic system**

Lift cylinder

Choke valve  
(prevent self-actuating)



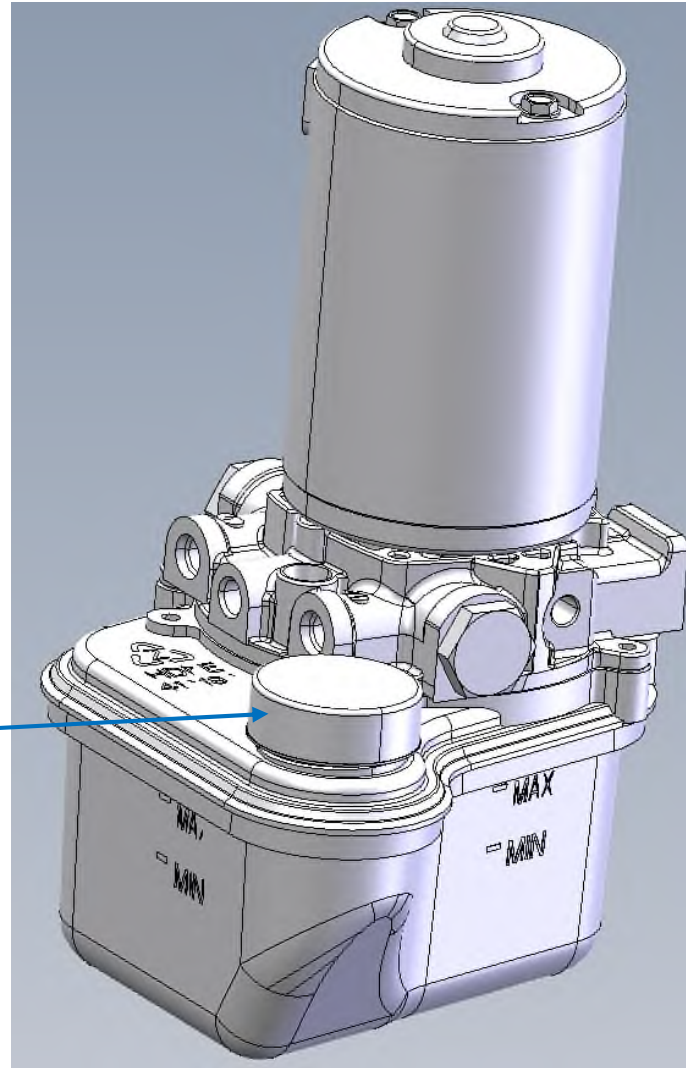
Hydraulic power pack

Hydraulic hose lowering

Hydraulic hose lifting

After replacing components of the hydraulic system (pump, cylinder or hoses), it must be refilled and vented. To do this, the cylinder must be retracted and extended three times. Check the oil level and top up if necessary. The cylinder should be at a lower level than the tank.

Oil filler cap  
Oil quality: HVLP46 (Mobil DTE 10 Excel 46)  
Oil quantity (refillable): 0,5l



### Operating of hopper

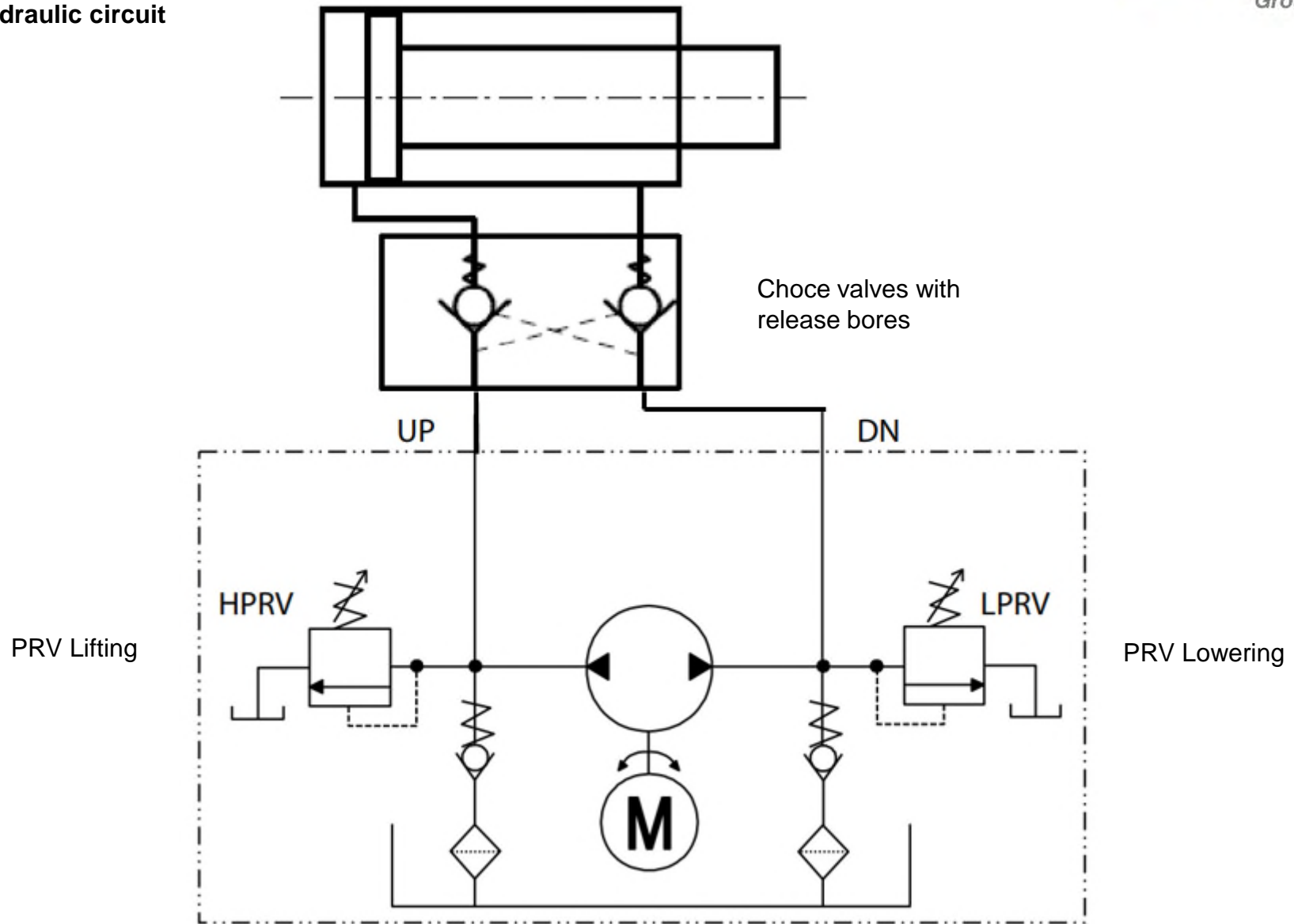


Push button for:  
Lifting  
Emptying  
Lowering  
Turn in

Two hand operating  
(Safety function)

**Function:** By pressing the push button (lifting or lowering), together with the safety function, the motor of the hydraulic pump is controlled (directional) via the control A6. This will fill the cylinder either for lifting (lower connection) or lowering (upper connection). When the process is stopped, the retaining valves ensure that the cylinder does not automatically drop again.

Hydraulic circuit

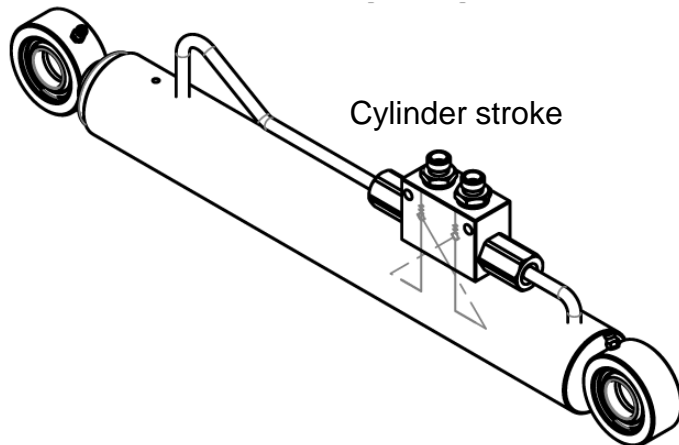




Data hydraulic components



Series	<b>108</b>
Motor selection	<b>IA</b> = 36V, Permanent magnet
Pump type	<b>S</b> (Standard)
Pump size	<b>32</b> = 5,36ccm <sup>3</sup> /U
Tank volume	<b>C</b> = 0,75l (0,43l useable)
Oil quality	HVLP46
Circuit type	<b>RR</b> = Reverse cycle (without choke valves)
Dimensiones of connection	<b>1</b> = 7/16-20 (SAE-4 O-Ring)
Installation position	<b>V</b> = Vertical installation (motor top, container down)
Pressure relive valve Lifting	<b>14</b> = 96bar
Pressure relive valve Lowering	<b>07</b> = 48bar



Cylinder stroke	309mm
	15mm damping path at move out
	Choke valves mounted at cylinder
	Grease nipple at both pivoting bearings