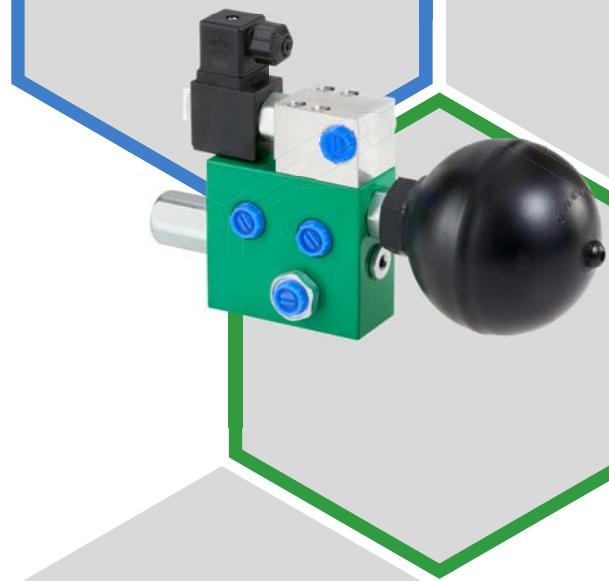


SUH SERIES

PILOT SUPPLY
UNIT



PILOT SUPPLY UNIT

The SUH is a direct acting pressure reducing valve which can be connected to either one or two main circuits via ports P1 and P2. Both ports feed through a shuttle valve to prevent circuit interaction. Reduced pressure is supplied to port U1 and U2.

A pre-set relief valve is fitted to prevent over pressure, and the unit is supplied with an accumulator connection for emergency power supply. A solenoid attachment is available to act as a safety system and to maintain the accumulator charged for a longer period by preventing leakage downstream to the 'U' ports. An integral filter is available to protect the output line and hence downstream components.

BENEFITS

- Compact unit
- Optional accumulator for peak and emergency power
- Optional 2 way and 3 way, 12 or 24 VDC solenoid valves for safety and extended accumulator storage time
- Dual ports for maximum installation flexibility

TECHNICAL FEATURES

Input Pressure P:	Min 8 bar, Max 350 bar
Output Pressure:	See <i>Pressure</i> setting *
Max pressure on drain port T:	3 bar
Relief valve setting (nominal):	45 bar
Max accumulator pressure:	100 bar (Nitrogen pre-charge 13 bar)
Flow capacity at ports:	5 l/min without accumulator up to 40 l/min with accumulator
Hydraulic fluids:	ISO HM & HV bio-degradable fluids
Fluid temperature range:	-20° to +80°C
Fluid viscosity:	2.8 to 380 mm ² /sec
Maximum filter rating:	25µm (absolute)

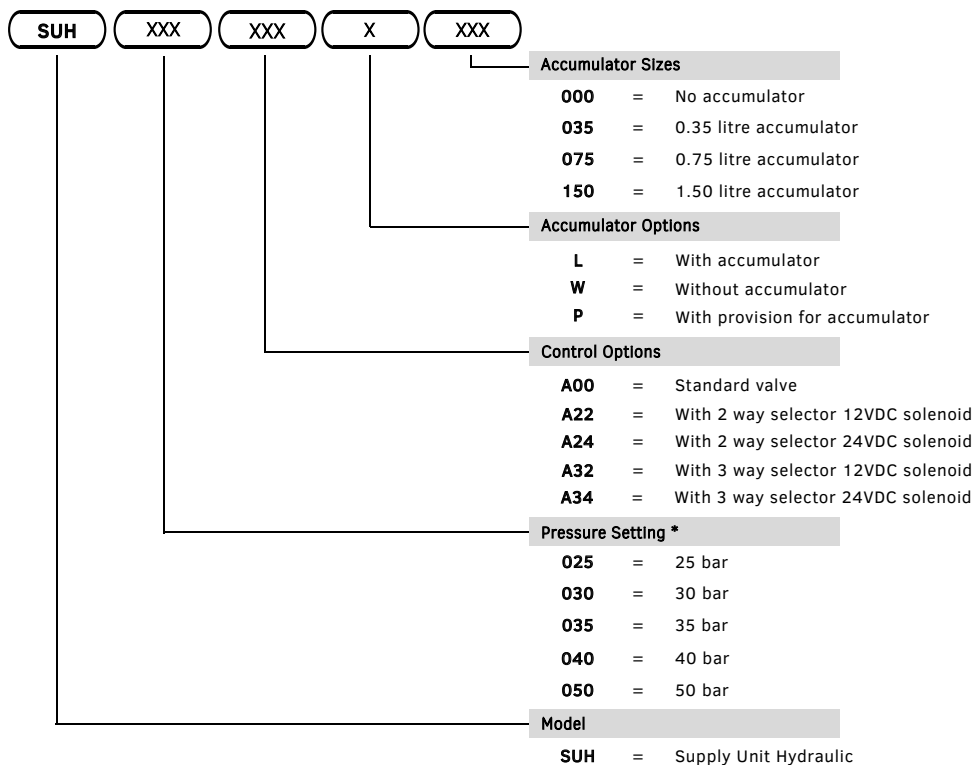
Please contact Hydreco Hydraulics for special requirements.

WEIGHTS

Description	Weight (Kg)
BASIC SUH VALVE	2.36
0.35 LITRE ACCUMULATOR	3.00
0.75 LITRE ACCUMULATOR	4.00
1.50 LITRE ACCUMULATOR	6.20
2 WAY SELECTOR	0.50
3 WAY SELECTOR	0.70

SUH SERIES - MODEL CODING

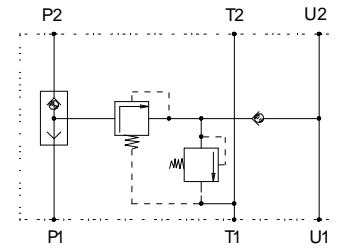
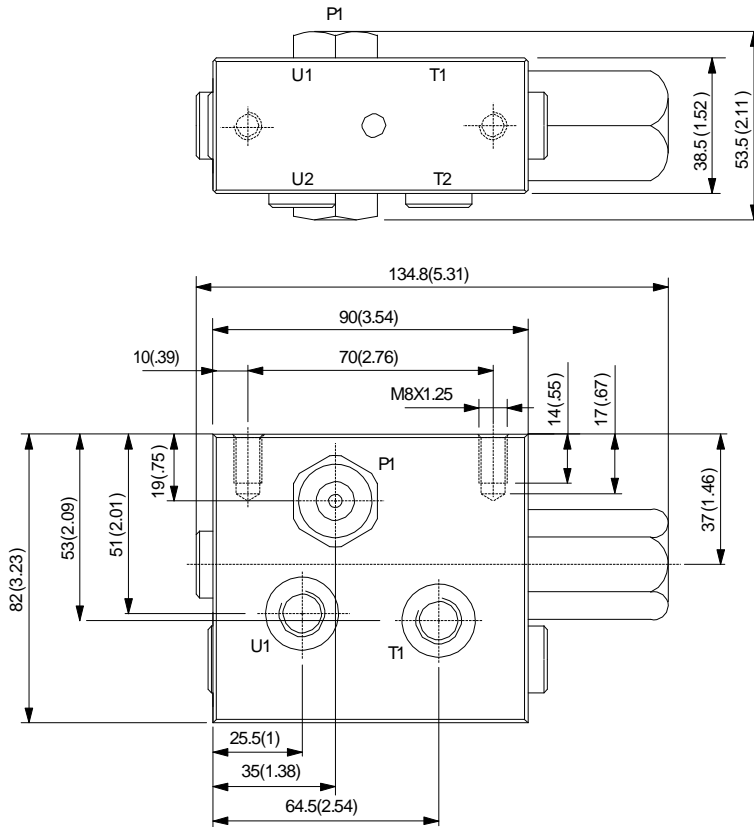
Hydreco Hydraulics reserves the right to update the information and data contained in this catalogue at any time without notice



Example: Standard valve set at 30 bar, with 12 Volt solenoid valve and 0.35 litre accumulator ordering number: **SUH-030-A22-L-035**

SUH-XXX-A00-W-000

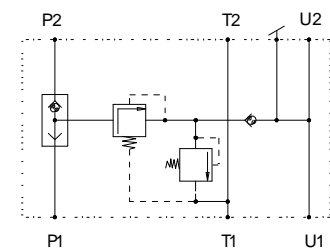
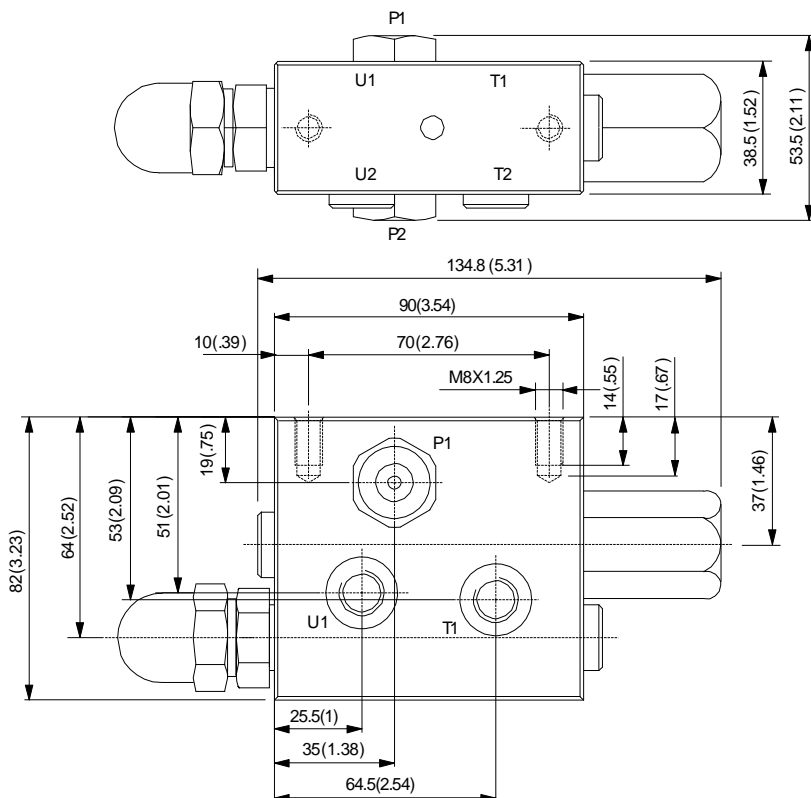
Standard Valve with no accumulator and no provision for an accumulator.



HYDRAULIC CIRCUIT DIAGRAM

SUH-XXX-A00-P-000

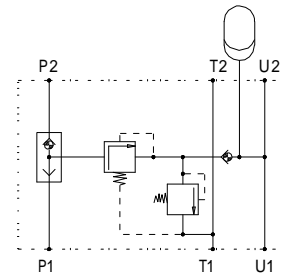
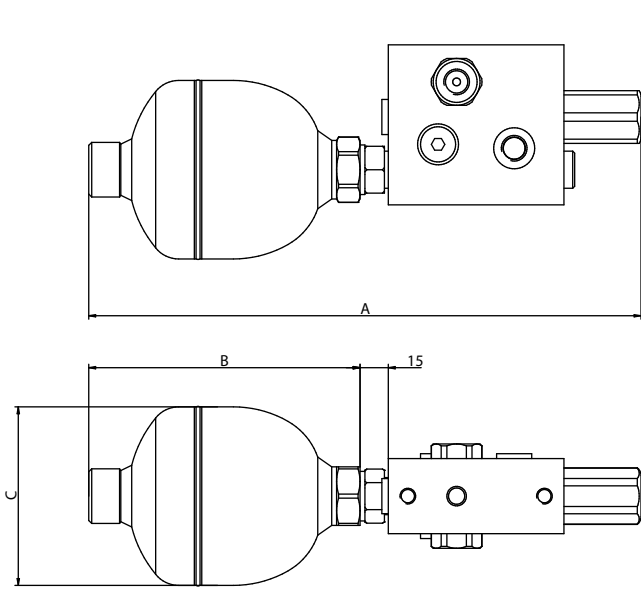
Standard valve with no accumulator and with provision for an accumulator.



HYDRAULIC CIRCUIT DIAGRAM

SUH-XXX-A00-L-XXX

Standard valve with accumulator and without solenoid.



HYDRAULIC CIRCUIT DIAGRAM

STANDARD VALVE
 For dimension see page 2

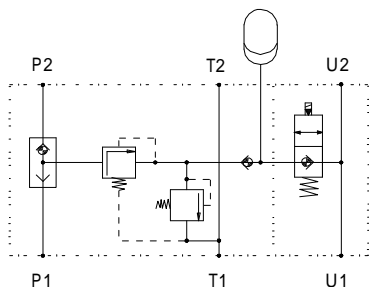
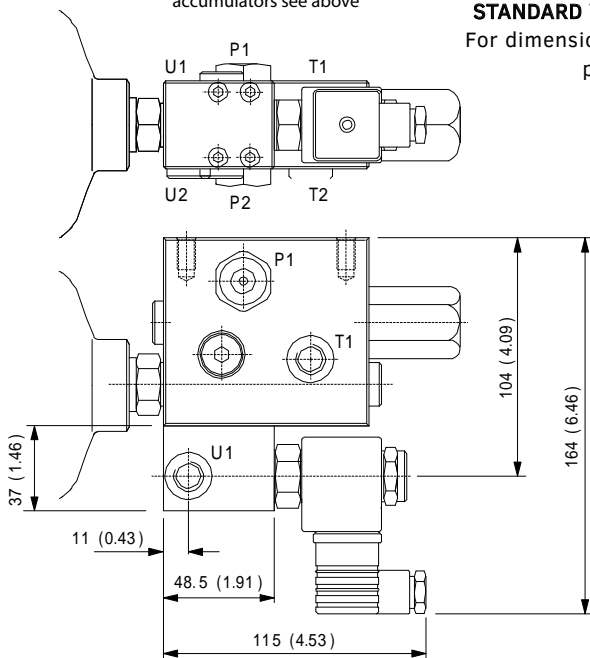
	Accumulator Capacity	B Accumulator Length	A Overall Unit Length	C Maximum Diameter
SUH-XXX-A00-L-035	0.35 litres	120(4.72)	264.5(10.4)	96.5(3.80)
SUH-XXX-A00-L-075	0.75 litres	150(5.9)	294.5(11.6)	121(4.76)
SUH-XXX-A00-L-150	1.50 litres	295(11.61)	435(17.13)	115(4.53)

SUH-XXX-A22-L-XXX

Valve with accumulator and 12 VDC 2way solenoid.

For dimensions regarding accumulators see above

STANDARD VALVE
 For dimension see page 2



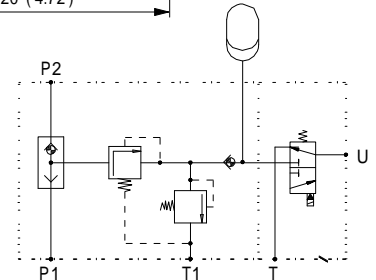
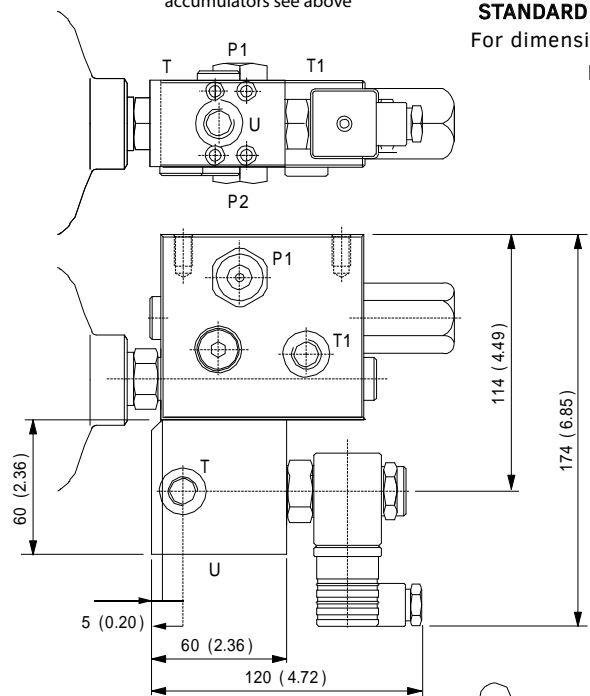
HYDRAULIC CIRCUIT DIAGRAM

SUH-XXX-A34-L-XXX

Valve with accumulator and 24 VDC 3way solenoid.

For dimensions regarding accumulators see above

STANDARD VALVE
 For dimension see page 2



HYDRAULIC CIRCUIT DIAGRAM

Supported by a worldwide network



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