HYDRECO

HYDRAULIC SOLUTIONS PROVIDER

SUH SERIES

PILOT SUPPLY UNIT

Libertad 6206 (1657) Loma Hermosa - Bs As Tel: +54 11 4769-0034 Email: info@tecnidra.com.ar

PILOT SUPPLY UNITS

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 P1 and P2.

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

Hydreco Hydraulics reserve the right to update the information and data contained in this catalogue at any time.

BENEFITS

- Compact unit
- Optional accumulator for peak and emergency power
- Optional 2 way & 3 way, 12 or 24 V DC solenoid valves for safety a d exte ded accumulator storage time
- Dual ports for maximum installation flexibility

TECHNICAL FEATURES

Input pressure P	:	**Min 8 bar, Max 350 bar**
Output pressure s (nominal)	:	**30 bar**
Max pressure on drain port T	:	**3 bar**
Relief valve setting (nominal)	:	**45 bar**
Max accumulator pressure	:	**210 bar** (Nitrogen pre-charge 13 bar)
Flow capacity at ports S	:	**5 l/min** without accumulator
	:	**up to 40 l/min** with accumulator
Hydraulic fluids	:	**ISO HM & HV** bio-degradeable fluids
Fluid temperature range	:	**-20 to +80°C**
Fluid viscosity	:	**2.8 to 380 mm²/sec**
Maximum filter rating	:	**25µm** (absolute)

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

SUH **XXX** - **XXX** **X** **XXX**

Accumulator sizes

000	=	No accumulator
035	=	0.35 litre accumulator
075	=	0.75 litre accumulator
150	=	1.50 litre accumulator

Accumulator options

L	=	with accumulator
W	=	without accumulator
P	=	with provision for accumulator

Control options

A00	=	standard valve
A22	=	with 2 way selector 12 V DC solenoid
A24	=	with 2 way selector 24 V DC solenoid
A32	=	with 3 way selector 12 V DC solenoid
A34	=	with 3 way selector 24 V DC solenoid

Pressure setting

025	=	25 bar	**040**	=	40 bar
030	=	30 bar	**050**	=	50 bar
035	=	35 bar			

SUH	=	Supply unit - hydraulic

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

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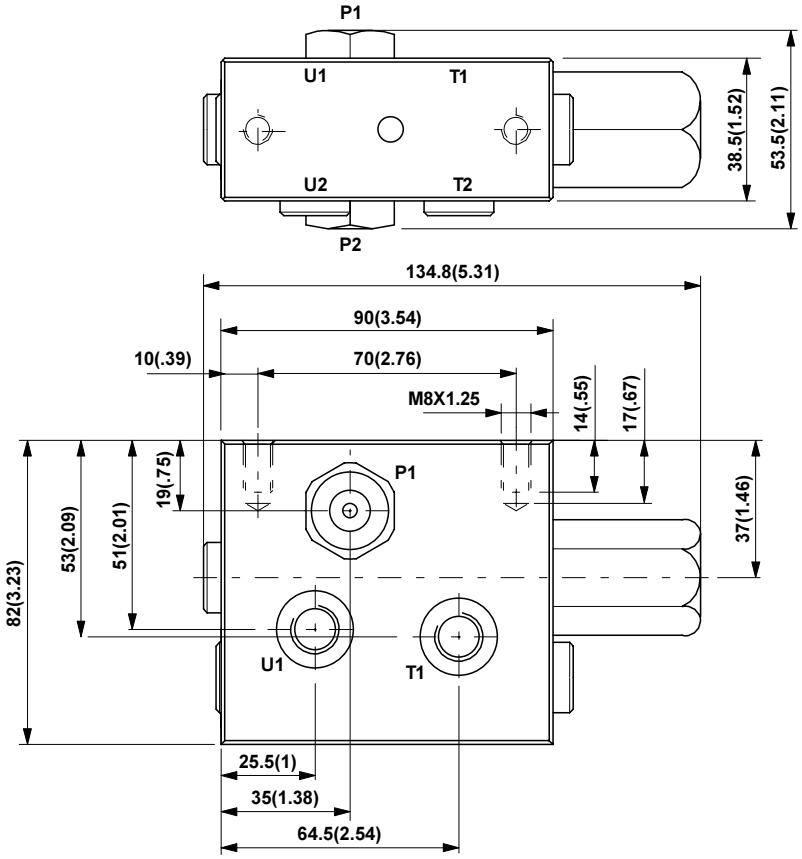
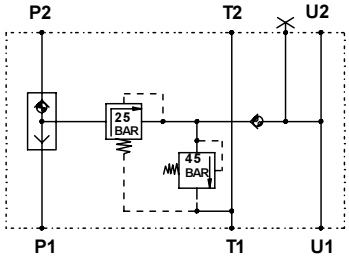
SUH-xxx-A00-W-000

standard valve with no accumulator and no provision for an accumulator

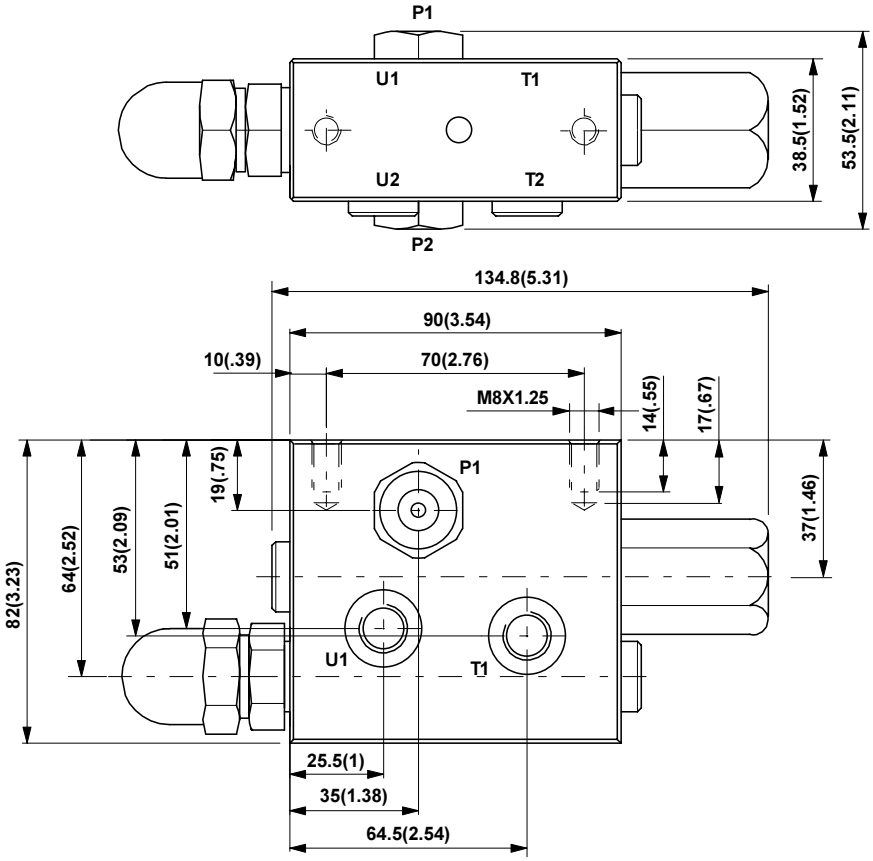


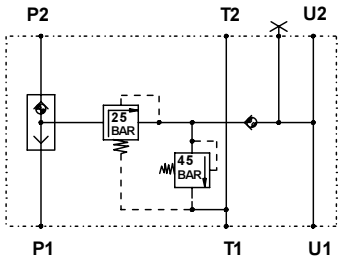


CIRCUIT DIAGRAM

SUH-xxx-A00-P-000

standard valve with no accumulator and with provision for an accumulator





CIRCUIT DIAGRAM

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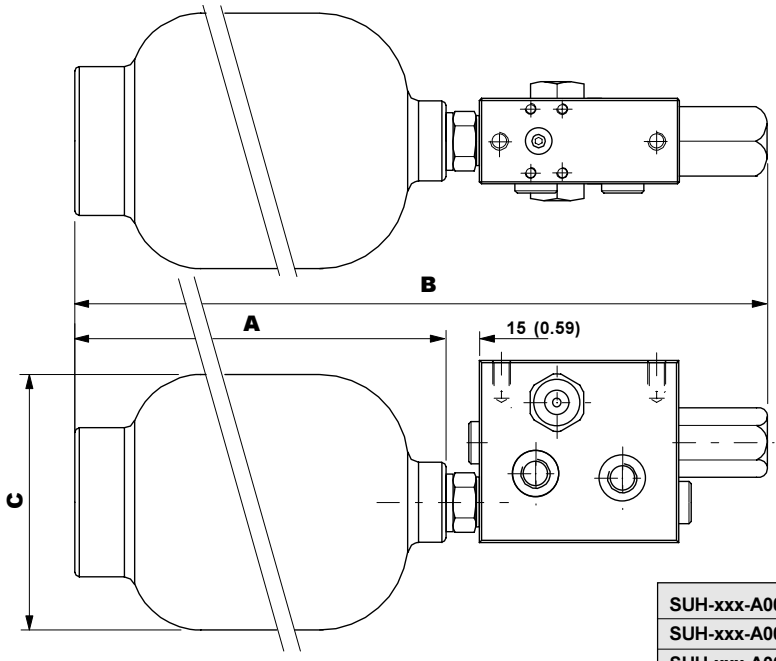
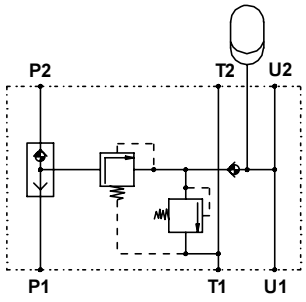
SUH-xxx-A00-L-xxx

standard valve with accumulator / with no solenoid





TYPICAL CIRCUIT DIAGRAM

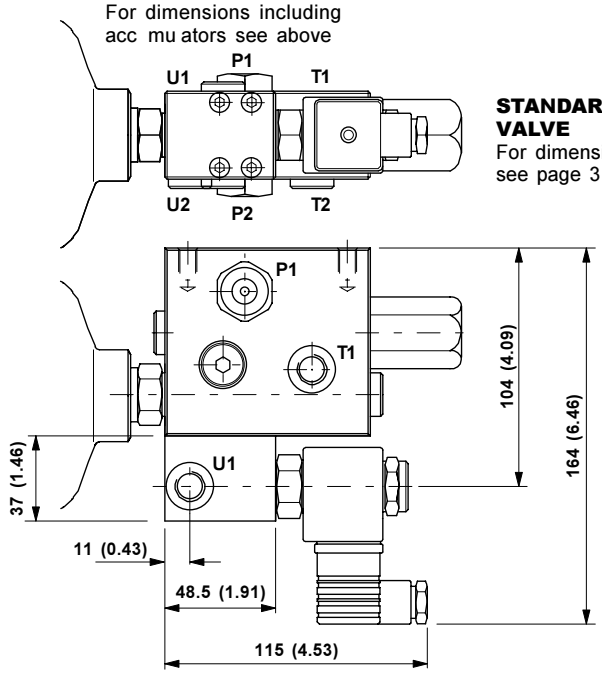
STANDARD VALVE
For dimensions see page 3

	Accumulator Capacity	A Accumulator Length	B Overall Unit Length	C Maximum Diameter
SUH-xxx-A00-L-035	0.35 litres	162 (6.38)	302 (11.89)	99 (3.90)
SUH-xxx-A00-L-075	0.75 litres	200 (7.87)	340 (13.39)	115 (4.53)
SUH-xxx-A00-L-150	1.50 litres	295 (11.61)	435 (17.13)	115 (4.53)

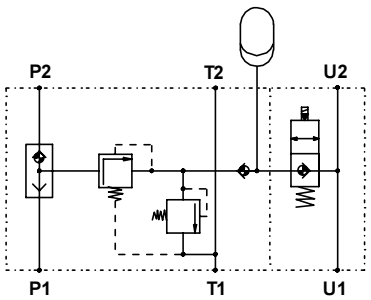
SUH-xxx-A22-L-xxx

valve with accumulator and 12V DC 2-way solenoid

For dimensions including acc mu ators see above



STANDARD VALVE
For dimensions see page 3

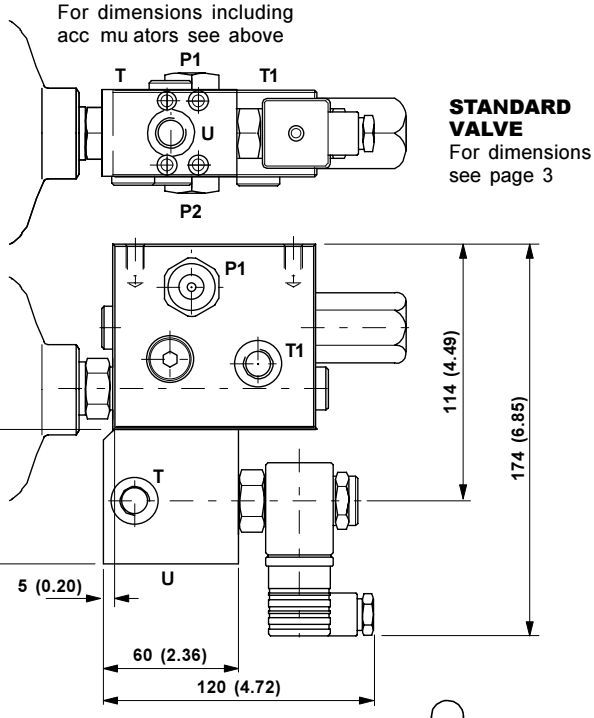


CIRCUIT DIAGRAM

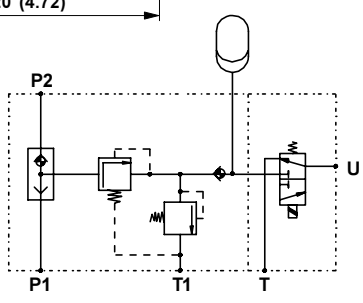
SUH-xxx-A34-L-xxx

valve with accumulator and 24V DC 3-way solenoid

For dimensions including acc mu ators see above



STANDARD VALVE
For dimensions see page 3



CIRCUIT DIAGRAM

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