



# Universal Mini Pack MP



A broad range of small industrial power packs

AC or DC motors

Modular concept

Flows to 20 Lpm.

Pressure to 210 bar.

Reservoirs from 2.3 to 15 Litres

For basic or multi- function circuits

 **SMITHS INDUSTRIES**  
*Hydraulics Company*

# mini pack MPU

**Features :-**

- Compact - for use where space is at a premium.
- Adaptable - many integral valve options providing numerous standard circuits.

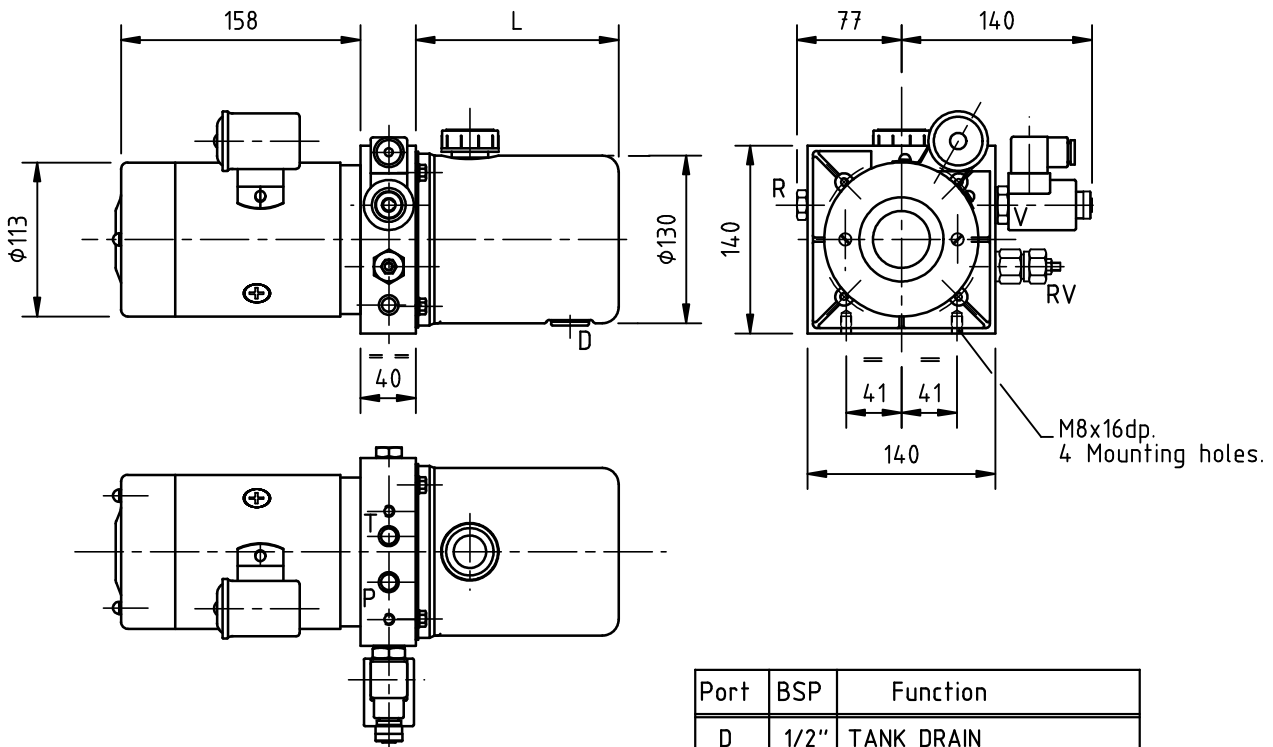
**All models supplied complete with :**

- Electric Motor - DC or AC.
- Robust gear pump
- Pressure Relief Valve
- Reservoir - sizes from 1.5L to 25L

**Options Include :**

- Lowering valve N/O & N/C.
- Multiple CETOP 3 Stackable Circuit Valves.
- Directional Control Valves - Manual - Solenoid - Air/Oil Pilot Operated
- Return Line Filter.

1.5 or 2.5 Litre Reservoir - Horizontal Mounting  
(Shown with DC. Motor & Lowering Valve)

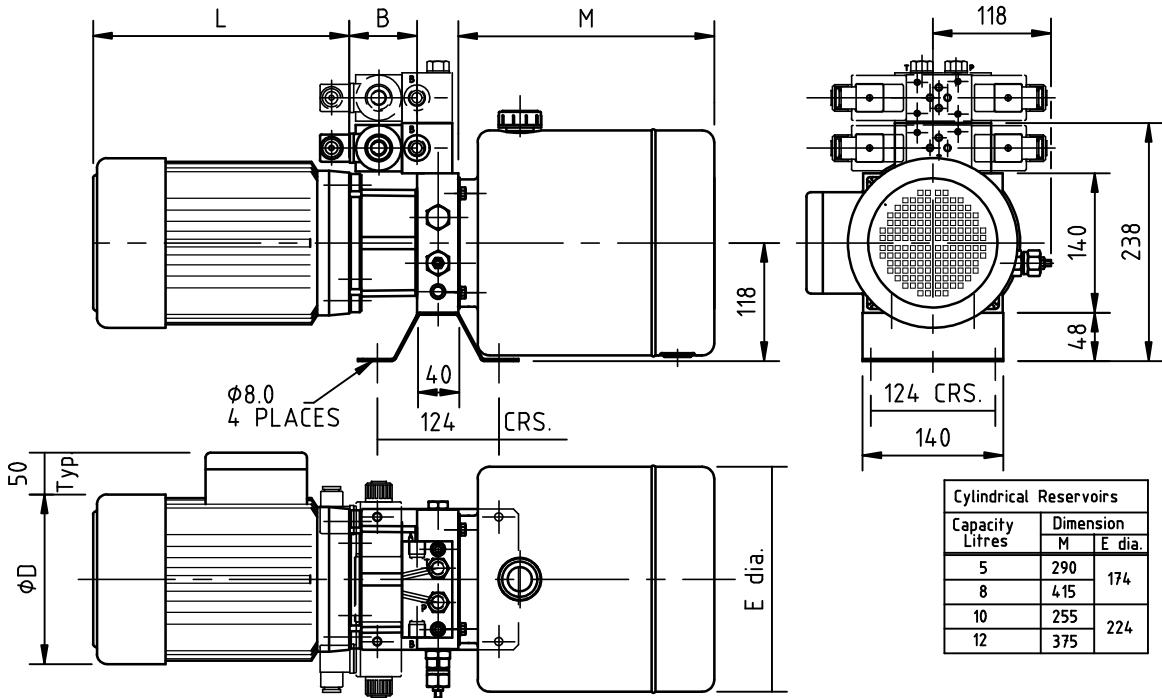


Reservoir	Dimension L
1.5 Litres	150
2.5 Litres	235

Port	BSP	Function
D	1/2"	TANK DRAIN
RV	-	RELIEF VALVE ADJ.
T	1/4"	RETURN
V	-	LOWERING VALVE CAVITY
P	1/4"	PRESSURE
R	1/4"	AUXILIARY RETURN

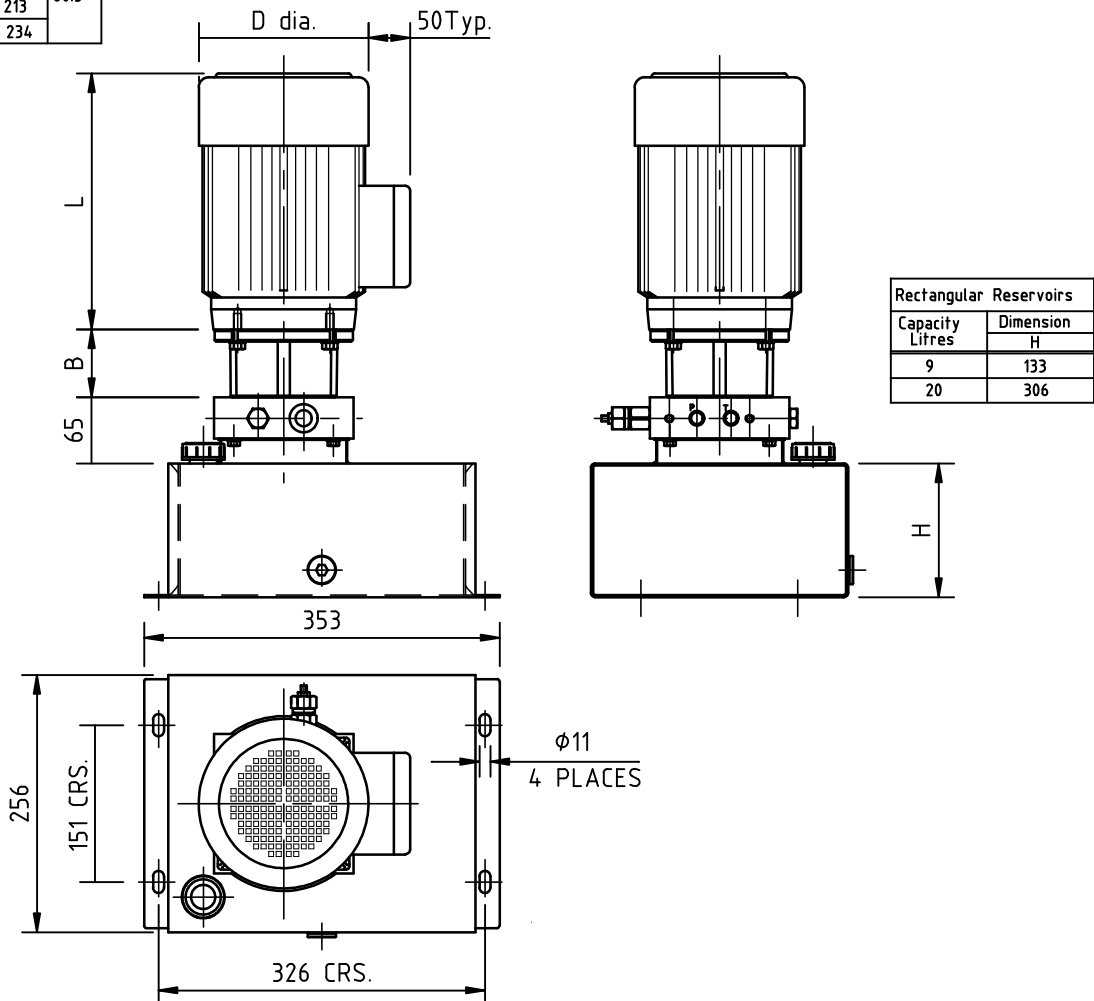
# mini pack MPU

5 to 12 Litre Reservoirs - Horizontal mounting  
(Shown with AC Motor & CETOP3 valve mounting faces)



Motor Size KW	Dimension		
	L	D dia.	B
0.37	213	142	9.5
0.55-0.75	230	160	60.5
1.1 - 1.5	258	190	
2.2 - 3.0	298	213	
4.0	325	234	

9 & 20 Litre Reservoirs - Vertical mounting  
(Shown with AC Motor & P-T Connections)



# mini pack MPU

## AC

FLOW LPM	PRESSURE (Max.) bar.	MOTOR SIZE KW	SIZE REF.
1.5	125	0.37	10
1.5	184	0.55	11
1.5	250	0.75	12
2.2	86	0.37	13
2.2	127	0.55	14
2.2	173	0.75	15
2.2	250	1.1	16
3.0	62	0.37	17
3.0	92	0.55	18
3.0	124	0.75	19
3.0	181	1.1	20
3.5	75	0.55	21
3.5	102	0.75	22
3.5	149	1.1	23
3.5	202	1.5	24
4.5	63	0.55	25
4.5	85	0.75	26
4.5	125	1.1	27
4.5	169	1.5	28
4.5	249	2.2	29
6.0	66	0.75	30
6.0	96	1.1	31
6.0	130	1.5	32
6.0	190	2.2	33
7.0	50	0.75	34
7.0	74	1.1	35
7.0	100	1.5	36
7.0	148	2.2	37
10.0	54	1.1	38
10.0	73	1.5	39
10.0	108	2.2	40
10.0	146	3.0	41
12.0	64	1.5	42
12.0	95	2.2	43
12.0	128	3.0	44
12.0	171	4.0	45
16.0	47	1.5	46
16.0	69	2.2	47
16.0	93	3.0	48
16.0	124	4.0	49

## 12 VOLT DC

FLOW LPM	PRESSURE (Max.) bar.	MOTOR SIZE KW	SIZE REF.
3.0	200	5.5	50
3.5	100	9.5	51
4.2	200	4.0	52
5.0	100	5.0	53
6.0	200	1.7	54
7.5	100	4.5	55
8.5	50	9.0	56
8.0	150	1.5	57
9.5	100	3.0	58
11.0	50	6.5	59
11.0	100	2.5	60
12.0	50	5.5	61
12.0	75	3.0	62
13.5	50	5.0	63
14.0	75	3.0	64
15.5	50	4.0	65
17.0	35	6.0	66

## 24 VOLT DC

FLOW LPM	PRESSURE (Max.) bar.	MOTOR SIZE KW	SIZE REF.
3.0	200	5.5	67
3.5	100	10.0	68
4.0	200	3.5	69
4.7	100	7.5	70
6.0	200	2.0	71
7.0	100	4.0	72
8.0	50	9.0	73
8.0	140	2.0	74
9.0	100	3.0	75
10.0	70	5.0	76
10.0	100	2.5	77
12.0	50	5.5	78
12.0	70	3.0	79
13.0	50	5.0	80
13.0	75	2.5	81
15.0	50	4.0	82
17.0	25	8.0	83

MPU 16 -3PH -F -LV -PT -5 -H

SIZE REFERENCE (SEE TABLE)

MOTOR VOLTAGE

- 3PH - Three Phase 415v
- 1PH - Single Phase 240v
- 1PH - Single Phase 110v
- Inc. in Size Ref. for DC

RETURN LINE FILTER

- F — Return Line Filter
- X — Not Required

CONTROL VALVE

- LV — Solenoid Operated Lowering Valve
- 3S — Single Solenoid CETOP3 Valve
- 3D — Double Solenoid CETOP3 Valve
- 3L — CETOP3 Lever Valve
- X — Not Required

PORTING BLOCK

- PT — 1/4" BSP P&T Connection
- C3 — Single CETOP3 Mounting Face
- C3/2 — Double CETOP3 Mounting Faces
- C3/3 — Triple CETOP3 Mounting Faces
- (Add extra valve codes to end of part Number, ie. C3/3-H-3S-3D)

RESERVOIR

- 1.5 LITRE
- 2.5 LITRE
- 5 LITRE
- 8 LITRE
- 10 LITRE
- 12 LITRE
- SL9 LITRE (Rectangular)
- SL20 LITRE (Rectangular)

MOUNTING ORIENTATION

- H — Minipack centreline positioned Horizontally
- V — Minipack centreline positioned Vertically

### NOTE.

The lowering valve can be used together with C3/2 & C3/3 to act as an unloading valve.