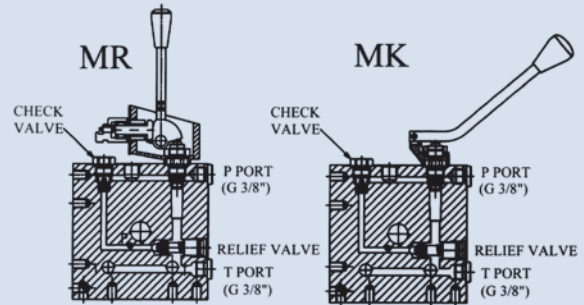
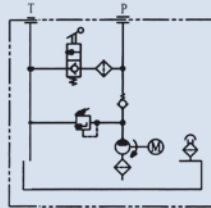
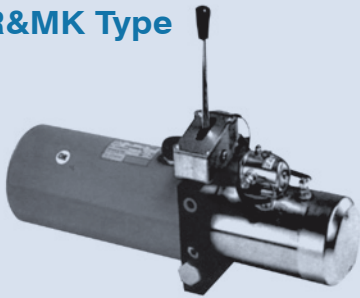


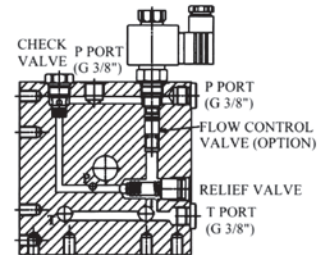
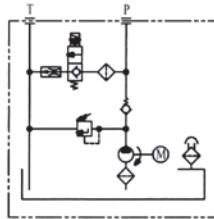
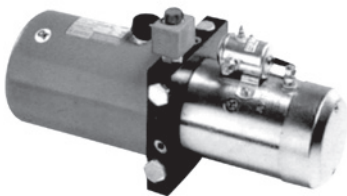
# POWER PACK

## Manifold functions

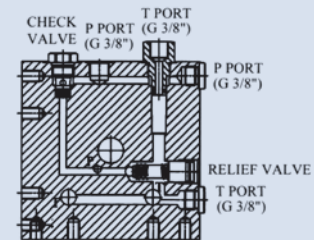
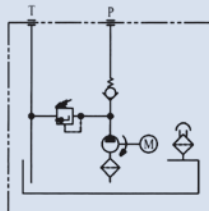
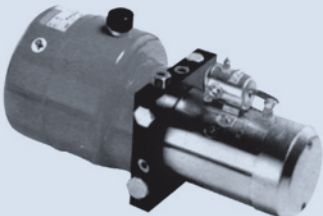
### MR&MK Type



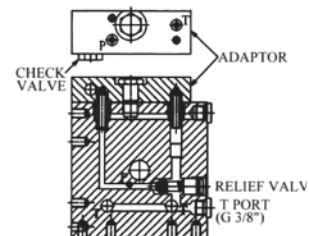
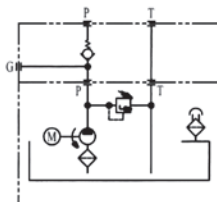
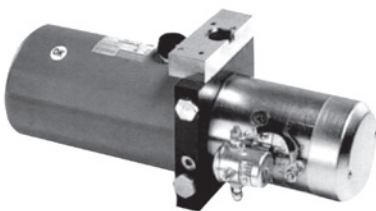
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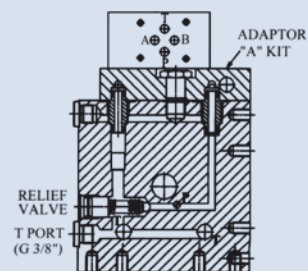
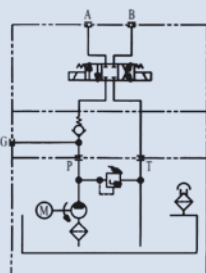
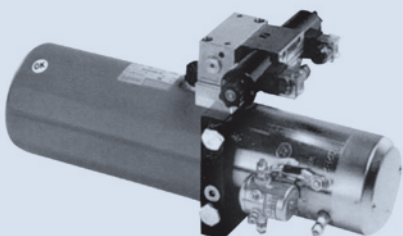
### "N" Type



### "A" Type



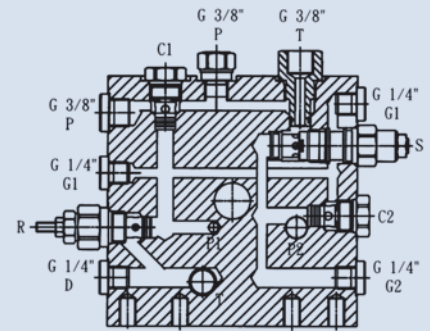
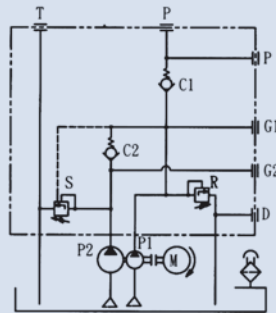
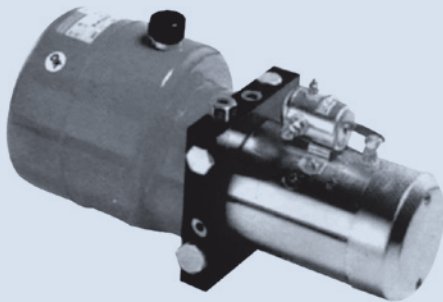
### "A" Type + Cetop 03



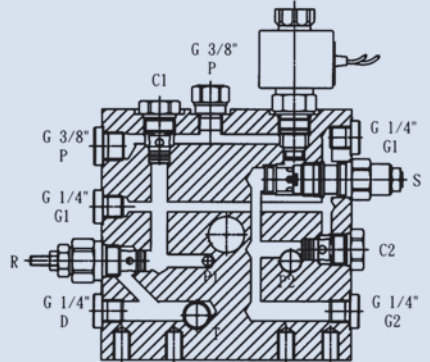
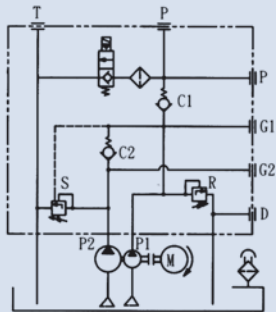
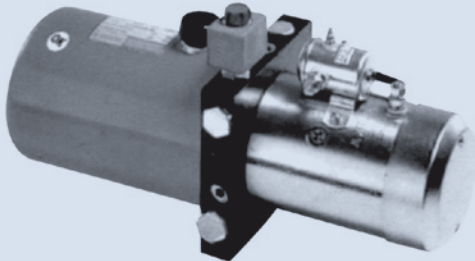
# POWER PACK

Manifold functions Hi-Lo pressure

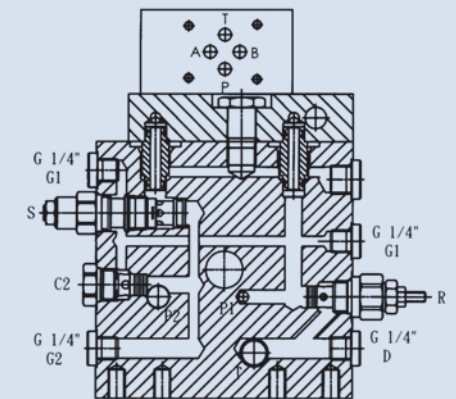
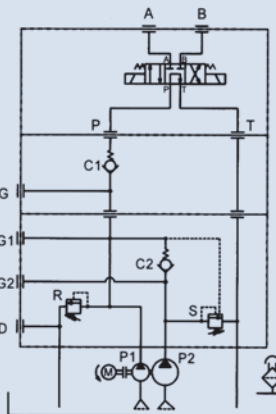
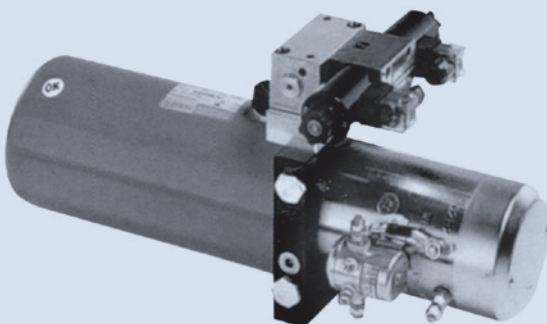
## "N" Type



## "S" Type



## "A" Type + Cetop 03



# POWER PACK

## DC MOTORS

### How to order

**T - CN24 - H - 10 - S - 10 - A - A - N - D\*\* \*\* \***

**1** Motor Temperature protector T: With temperature protector N: Without temperature protector

**2** DC motor

2		550W Low-speed motor	L		3000W Compound wound motor (DC24V)
3		800W Compound wound motor			2500W Compound wound motor (DC12V)
5		550W Permanent magnet motor	E		Earth return (motor with 1 terminal)
8		800W Permanent magnet motor	N		Insulate return (motor with 2 terminals)
C		2000W Compound wound motor (DC24V)		1 2	DC12V Motor
		1500W Compound wound motor (DC12V)		2 4	DC24V Motor
S		2000W Series wound motor (DC24V)	N	N	Without motor
		1500W Series wound motor (DC12V)	X	X	Special
			P	P	2200W Compound wound motor (DC24V)
					1600W Compound wound motor (DC12V)

**3** Mounting type

H: Horizontally mounted V: Vertically mounted X: Special mounting  
 HN: Horizontally mounted without tank VN: Vertically mounted without tank

**4** Tank size

ø140 mm Dia		ø180 mm Dia		
10	1.0 Liters	30	3.0 Liters	XX: Special
16	1.6 Liters	40	4.0 Liters	NN: None
20	2.0 Liters	50	5.0 Liters	(working volume)
24	2.4 Liters	60	6.0 Liters	
28	2.8 Liters	80	8.0 Liters	
42	4.2 Liters			

**5** Lowering valve

S: Solenoid operated (normally closed) MR: Manual operated  
 T: Solenoid operated (normally open) MK: Manual operated (without switch)  
 U: Solenoid operated (normally closed with manual) N: None  
 V: Solenoid operated (normally open with manual) X: Special operated  
 A: Adaptor for other manifold

**6** Pump capacity

05: 0.5 cc/rev 07: 0.7 cc/rev 10: 1.0 cc/rev 15: 1.5 cc/rev 19: 1.9 cc/rev 23: 2.3 cc/rev  
 27: 2.7 cc/rev 30: 3.0 cc/rev 35: 3.5 cc/rev 40: 4.0 cc/rev 51: 5.1 cc/rev 62: 6.2 cc/rev 73: 7.3 cc/rev

**7** Hand pump

None: Without hand pump P: With hand pump (7.4 cc/stroke) X: Special hand pump assembly

**8** Start switch positions

A: Same side as check valve B: Same side as relief valve C: The side opposite A D: The side opposite B N: None

**9** Breather cap positions

A: Same side as check valve B: Same side as relief valve C: The side opposite A D: The side opposite B N: None

**10** Flow control valve

N: None 2: 2 lpm 4: 4 lpm 6: 6 lpm 8: 8 lpm 10: 10 lpm (Rated flows)

**11** Unique code

Manifold function A-Z	
	Standard manifold
D	Standard manifold
	With low noise relief valve

# POWER PACK AC MOTORS

## How to order

**MF - □ - 01 - H - 10 - S - 10 - ✱ - A - A - N - D ✱ ✱ ✱**  
 1 2 3 4 5 6 7 8 9 10 11 12

### 1 AC motor

Motor dimension

Ø110	MSN	Motor without fan	Only 1/4HP
Ø140	MFS	Motor with fan	From 1/2HP to 1HP
	MSS	Motor without fan	

Motor dimension

Ø125	MSM	Motor without fan	From 1/2HP to 1HP
Ø160	MF	Motor with fan	From 1HP to 3HP
	MS	Motor without fan	

XX: Special

### 2 AC motor

	Standard voltages and hertz (refer to below)
A-ZZ	Special voltages and hertz on request

### 3 AC motor

Motor	Power	Phase	Voltages	Hertz	Rpm	Motor	Power	Phase	Voltages	Hertz	Rpm
01	1HP 4P	3	220/380	50/60	1420/1720	10	3HP 2P	3	220/380	50/60	2850/3450
02	1HP 2P	3	220/380	50/60	2850/3450	11	1/2HP 4P	1	110/220	50/60	1420/1720
03	1HP 4P	1	110/220	50/60	1420/1720	12	1/2HP 2P	1	110/220	50/60	2850/3450
04	1HP 2P	1	110/220	50/60	2850/3450	13	3/4HP 4P	1	110/220	50/60	1420/1720
05	2HP 4P	3	220/380	50/60	1420/1720	14					
06	2HP 2P	3	220/380	50/60	2850/3450	15	1/2HP 4P	3	220/380	50/60	1420/1720
07	2HP 4P	1	110/220	50/60	1420/1720	16	1/2HP 6P	3	220/380	50/60	940/1140
08	2HP 2P	1	110/220	50/60	2850/3450	17	1/4HP 4P	1	110/220	50/60	1420/1720
09	3HP 4P	3	220/380	50/60	1420/1720	18	1/4HP 4P	3	220/380	50/60	1420/1720

### 4 Mounting type

H: Horizontally mounted V: Vertically mounted X: Special mounting  
 HN: Horizontally mounted without tank VN: Vertically mounted without tank

### 5 Tank size

ø140 mm Dia			ø180 mm Dia					
10	1.0 Liters	24	2.4 Liters	30	3.0 Liters	60	6.0 Liters	XX: Special
16	1.6 Liters	28	2.8 Liters	40	4.0 Liters	80	8.0 Liters	NN: None
20	2.0 Liters	42	4.2 Liters	50	5.0 Liters			(working volume)

### 6 Lowering valve

S: Solenoid operated (normally closed) T: Solenoid operated (normally open)  
 U: Solenoid operated (normally closed with manual) V: Solenoid operated (normally open with manual)  
 MR: Manual operated MK: Manual operated (without switch) N: None X: Special operated A: Adaptor for other manifold

### 7 Pump capacity

05: 0.5 cc/rev 07: 0.7 cc/rev 10: 1.0 cc/rev 15: 1.5 cc/rev 19: 1.9 cc/rev 23: 2.3 cc/rev  
 27: 2.7 cc/rev 30: 3.0 cc/rev 35: 3.5 cc/rev 40: 4.0 cc/rev 51: 5.1 cc/rev 62: 6.2 cc/rev 73: 7.3 cc/rev

### 8 Hand pump

None: Without hand pump P: With hand pump (7.4 cc/stroke) X: Special hand pump assembly

### 9 Wire box positions A: Same side as check valve B: Same side as relief valve C: The side opposite A D: The side opposite B N: None

### 10 Breather cap positions A: Same side as check valve B: Same side as relief valve C: The side opposite A D: The side opposite B N: None

### 11 Flow control valve

N: None 2: 2 lpm 4: 4 lpm 6: 6 lpm 8: 8 lpm 10: 10 lpm (rated flows)

### 12 Unique code

Manifold function A-Z	
	Standard manifold
D	Standard manifold With low noise relief valve