

*Hydra Pac®*



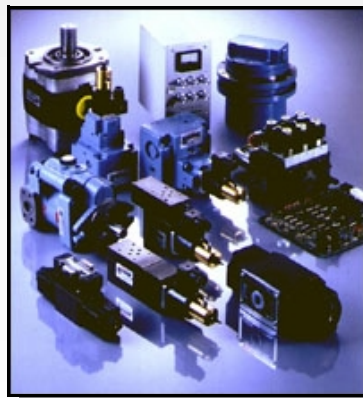
**Hydraulic Power Units**



**Digital Load Sensors**



**Valves and Accessories**



**Digital Pressure Gauges**



# Basic Power Unit

## CUSTOM BUILD YOUR OWN HYDRA PAC® POWER UNIT

▼ This is how a Hydra Pac® Model number is built up:

H	E	P	3	2	15	C
1 Style	2 Motor Type	3 Pump Type	4 Pump Series	5 Valve Type	6 Reservoir Capacity	7 Motor Voltage

**Hydra Pac®  
Hydraulic  
Power  
Units**



### 1 - Style

H = Horizontal  
V = Vertical

### 2 - Motor Type

E = Electric  
G = Gas  
P = Pneumatic

### 3 - Pump Type

P = Variable Displacement  
Pressure Compensated  
Piston Pump  
G = Gear Pump  
V = Variable Displacement  
Pressure Compensated  
Vane Pump

### 4 - Pump Series

1 = 1.0 HP, 3000 PSI, 0.5 GPM\*  
3 = 3.0 HP, 3000 PSI, 1.5 GPM  
5 = 5.0 HP, 3000 PSI, 2.7 GPM†  
7 = 7.5 HP, 3000 PSI, 3.8 GPM†  
9 = 3.0 HP, 5000 PSI, 0.9 GPM†

\* available on vertical units only  
† available on horizontal units only

### 5 - Valve Series \*

01 = 1 Valve Manifold  
02 = 2 Valve Manifold  
03 = 3 Valve Manifold  
04 = 4 Valve Manifold  
05 = 5 Valve Manifold  
06 = 6 Valve Manifold  
07 = 7 Valve Manifold  
08 = 8 Valve Manifold  
09 = 9 Valve Manifold  
10 = 10 Valve Manifold

\* limit of 4 on vertical units

### 6 - Reservoir Capacity

03 = 3 Gallon \*  
05 = 5 Gallon \*  
10 = 10 Gallon \*  
15 = 15 Gallon  
20 = 20 Gallon  
30 = 30 Gallon

\* available on vertical units only

### 7 - Motor Voltage

A = 115 Volt, 1 PH, 60 Hz  
B = 230 Volt, 1 PH, 60 Hz  
C = 230 Volt, 3 PH, 60 Hz  
D = 460 Volt, 3 PH, 60 Hz  
E = 575 Volt, 3 PH, 60 Hz  
H = 380 Volt, 3 PH, 50 Hz

## Standard Features:

### H - Series Power Units

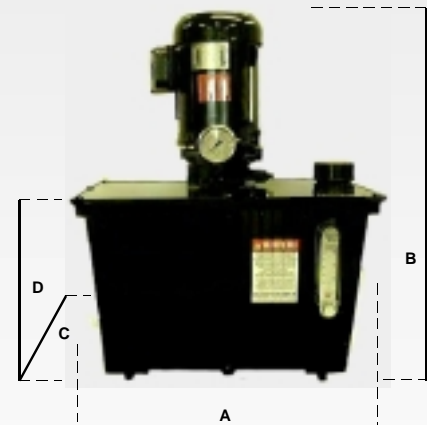
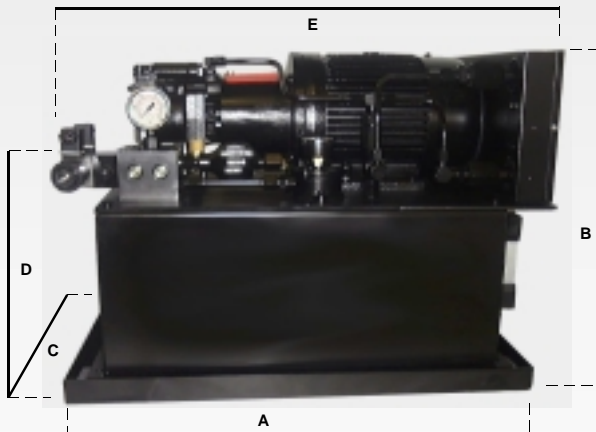
- Air/Oil cooled, low oil level switch
- Stackable valves to max of 10 manifolds
- 10 Micron return line filtration
- System safety relief valve
- Pressure gauge
- Rugged design
- Drip tray
- Suited for continuous duty applications
- <70 dBA for quiet operation
- Canadian designed and built

### V - Series Power Units

- Stackable valves to max of 4 manifolds
- System safety relief valve
- Pressure gauge
- Rugged design
- Suited for continuous duty applications
- <70 dBA for quiet operation
- Canadian designed and built

## Dimensions \*

(all dimensions are approximate)



Reservoir size	A	B	C	D	E
15 Gallon	28.12	18.25	18.50	13.50	31.25
20 Gallon	28.12	21.25	21.50	13.50	34.25
30 Gallon	28.12	26.50	26.50	13.50	39.25

\* All dimensions are in inches

Reservoir size	A	B	C	D
3 Gallon	12.5	22.0	12.5	8.0
5 Gallon	15.0	24.0	15.0	10.0
10 Gallon	21.0	26.5	17.0	12.5

\* All dimensions are in inches

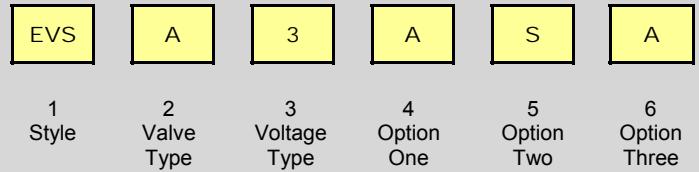
# Valves and Accessories



**Hydra Pac®  
Electric  
Solenoid  
Valves**

## BUILD YOUR OWN HYDRA PAC® VALVE CONFIGURATION

▼ This is how a Hydra Pac® valve stack is built up:



## Features:

### Valves

- Oil immersed solenoid design
- Low noise and quiet operation
- High pressure, high flow capacity
- Electrical surge controlled
- Easy wiring, simple installation
- Easy and fast coil changes
- Modular style assembly

### Pressure switches

- Piston style
- Fully adjustable pressure settings
- DIN connection included
- Compact design

### Accumulators

- Daiphragm style
- Two optional capacities available

### 1 - Style

EVS = Electric Valve  
 MVV = Manual Valve  
 EVD = Detented Electric Valve  
 MVD = Detented Manual Valve

### 2 - Valve Flow Path

A = 4 Way/3 Pos. Tandem Centre  
 B = 4 Way/3 Pos. Open Centre  
 C = 4 Way/3 Pos. Float Centre  
 D = 4 Way/2 Pos.  
 E = 4 Way/3 Pos. Closed Centre

### 3 - Voltage

1 = 115 VAC  
 2 = 12 VDC  
 3 = 24 VDC

### 4 - Option One

A = P.O Check on "A"  
 B = P.O Check on "B"  
 C = P.O Check on "A & B"  
 Z = None

### 5 - Option Two

S = Pressure Switch  
 Z = None

### 6 - Option Three

A = Accumulator 2.5 cu. in  
 B = Accumulator 5.0 cu. in  
 Z = None

For "special" valve options add "S" at the end of valve code and consult technical services.

## Important

If your power unit has more than one valve manifold, a valve and accessories must be specified for each manifold ordered.



## Valve Selection

If you require help in selecting the correct valve for your application, please contact the appropriate office listed on the back page of this brochure.



Valve Flow	Valve Flow Description	Symbol
A	4 Way/3 Pos. Tandem Center	
B	4 Way/3 Pos. Open Center	
C	4 Way/3 Pos. Float Center	
D	4 Way/2 Pos.	
E	4 Way/3 Pos. Closed Center	

### Specifications

Pressure Range	Maximum Oil flow	Voltage @ Hz	Amperage Draw (starting / holding)
0 - 5000 psi	13.2 GPM	115 VAC @ 60 Hz	2.0 / .42
0 - 5000 psi	13.2 GPM	12 VDC @ 60 Hz	n/a / 2.5
0 - 5000 psi	13.2 GPM	24 VDC @ 60 Hz	n/a / 1.25

# Gauges and Transducers



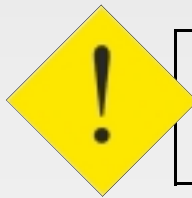
## DEMC-P series

- Pressure series, c/w digital pressure transducer, cables and display unit
- 5 Digit display with Peak Hold, Tare & Reset. Selectable engineering units.
- Pressure Transmitter ranges include: 50, 100, 200, 500, 1k, 2k, 3k, 5k, 10k, 20k, 30k, 50k PSI
- Accuracy better than 0.2% FSO
- Interface cable and mating connector with MIL specification. Power cord included .(115v)
- NIST Traceable Calibration Certificate
- **Options available:** Isolated analog output, 0 - 10 VDC & 4 - 20 mA , dual 10 amp relay for Hi & Lo limits



## DEMC-L series

- Load series, c/w load cell cylinder, cables and display unit
- 5 Digit display with Peak hold, Tare & Reset. Selectable engineering units
- Load cell ranges include 25, 50, 100, 150, 200, 250, 300, 500, 750, 1k, 1.5k, 2k, 2.5k, 3k, 5k, 10k, 15k, 20k, 30k, 40k, 50k, 60k, 100k lbs.\*
- Accuracy better than 0.06% FSO
- Interface cable and mating connector with MIL specification. Power cord included. (115v)
- NIST traceable calibration certificate
- **Options available:** Isolated analog output, 0 - 10 VDC & 4 -20 mA, dual 10 amp relay for Hi & Lo limits



***For application assistance on the above products, please contact your distributor.***



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Distributor Inquiries 1-866-755-0257

User Sales Inquiries 1-866-755-0241

Distributor Locator 1-866-755-0257

Your *Hydra Pac*® Distributor: