

▼ Shown top to bottom: VEC15600D, VEK15000B, VEC15000B



- Ideal for independent control of multiple cylinders or functions
- Relief valve and pilot-operated check accessory valves are stackable between manifold and valve body
- Remote and pump mounting

Valve Flow Path	Used with Cylinder	Valve Code	Hydraulic Symbol
4-Way, 3-Position (4/3) Open Center	Double-acting	<b>A</b>	
4-Way, 3-Position (4/3) Closed Center	Double-acting	<b>B</b>	
4-Way, 3-Position (4/3) Tandem Center	Double-acting	<b>C</b>	
4-Way, 3-Position (4/3) Float Center	Double-acting	<b>D</b>	
4-Way, 2-Position (4/2) Crossover Offset	Double-acting	<b>E</b>	
3-Way, 3-Position (3/3) Tandem Center	Single-acting	<b>F</b>	
3-Way, 3-Position (3/3) Closed Center	Single-acting	<b>G</b>	
2-Way, 2-Position (2/2) Normally Closed	System	<b>H*</b>	
2-Way, 2-Position (2/2) Normally Open	Un-loading	<b>K*</b>	
4-Way, 2-Position (4/2) Float Offset	Double-acting	<b>M</b>	
3-Way, 2-Position (3/2) Normally Open	Single-acting	<b>P</b>	

\* Requires use of tank port for dump or unloading.

## Unmatched Combinations and Possibilities



### 3-Way Check Valve

Use a **VS51** 3-way pilot operated check valve assembly to convert your 3-way modular valve into a load-holding valve.



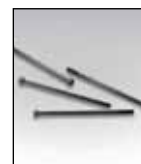
### 4-Way Check Valve

Use a **VS61** 4-way pilot operated check valve assembly to convert your 4-way modular valve into a load-holding valve.



### System Pressure Control

To add system pressure control to your modular valve, order **VS11 Relief Valve** assembly.



### Bolt Kits for Accessory Valves With No Manifold

Order Bolt Kit **BK2** when adding one of the accessory valves. Order Bolt Kit **BK3**

when adding any combination of two accessory valves.

### How to order one of the 1,300 possible model numbers?

With over 1,300 possible model numbers, Enerpac has the perfect valve for you. Use the "chart" to build your own valve for the specific application you require. This is the complete guide to all the Modular valves that are available.

# VE-Series Solenoid Operated Valves Ordering Matrix

## CUSTOM BUILD YOUR MODULAR VALVES

▼ This is how a Modular Valve Model Number is built up:



1 Solenoid Operated Valve    2 Valve Flow Path    3 Flow Capacity    4 Voltage    5 Accessory Valves    6 Manifold

### 1 Product Type

**VE** = Solenoid Operated Valve

### 2 Valve Code

- A** = 4/3 Open Center
- B** = 4/3 Closed Center
- C** = 4/3 Tandem Center
- D** = 4/3 Float Center
- E** = 4/2 Crossover Offset
- F** = 3/3 Tandem Center
- G** = 3/3 Closed Center
- H** = 2/2 Normally Closed
- K** = 2/2 Normally Open
- M** = 4/2 Float Offset
- P** = 3/2 Normally Open

### 3 Flow Capacity

**1** = 4 gallons per minute

### 4 Voltage

- 1** = 24 VDC
- 2** = 220/240 V, 1 ph, 50 Hz
- 5** = 115 V, 1 ph, 60 Hz

### 5 Accessory Valves

- 000** = No accessory valves
- 100** = Relief Valve only
- 150** = Relief Valve and 3-way pilot operated check valve  
**Only for VEF/VEG**
- 160** = Relief Valve and 4-way pilot operated check valve  
**Only for VEA/VEB/VEC/VED**
- 500** = 3-way pilot operated check valve  
**Only for VEF/VEG**
- 600** = 4-way pilot operated check valve  
**Only for VEA/VEB/VEC/VED**

### 6 Manifold

- A** = No manifold\*\*
- B** = Remote Mounted
- D** = Pump Mounted\*

\* Only for valve code: **VEA/VEC/VEF**

\*\* Must order Bolt Kit separately.

### Example: VEA15600-D

VEA15600-D is a Modular Valve with a 4-way, 3-position open center flowpath, 115 VAC, and an integral pilot-operated check valve, for mounting on an Enerpac pump.

## VE Series



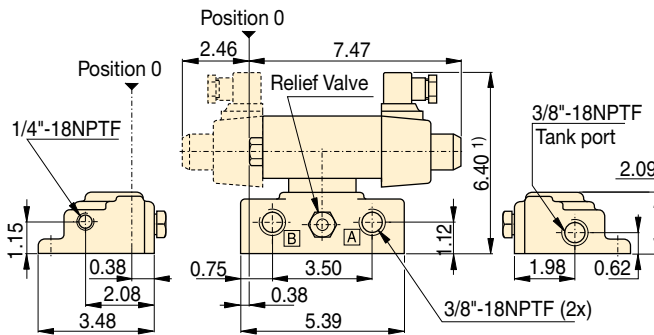
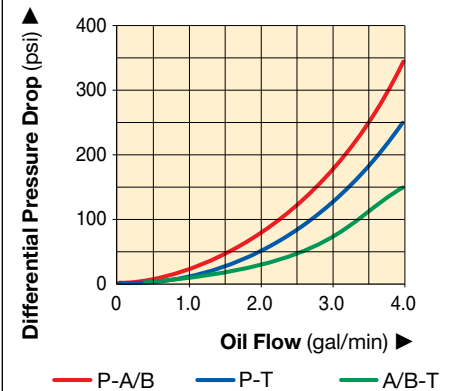
Flow Capacity:

**4 gal/min.**

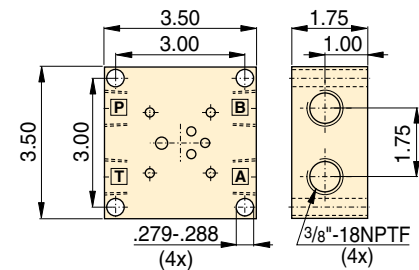
Maximum Operating Pressure:

**10,000 psi**

### Pressure Drop versus Oil Flow



Modular Valve Pump Mounted <sup>1)</sup> add 1.85 inch for each Accessory Valve



Modular Valve Remote Mount Manifold

Maximum Operating Pressure (psi)	Amperage Draw			Seal Material	Valve Plug
	24 VDC	115 VAC 60 Hz	230 V 60 Hz		
0 - 10,000	N/A Inrush	3.6 A Inrush	1.8 A Inrush	Buna-N, Polyurethane	DIN 43650
	2.5 A Holding	1.0 A Holding	0.5 A Holding		