# Olympian Plus Smooth Start/Exhaust Valves P64F, P68F

- Olympian Plus plug in design controls increase of downstream pressure on start up. Cylinders and other air operated devices are eased into normal operating positions, reducing the possibility of equipment damage and hazards to the user.
- 3 port/2 position, normally closed, soft start valve with optional manual lockout slide
- Blocks inlet air and exhausts downstream air when pilot signal is removed or when the optional manual lockout slide is closed
- Optional manual slide can be padlocked in closed position
- Solenoid pilot or air pilot operation
- Designed primarily for use in start-up and shutdown of equipment, not as a frequently cycling directional control valve. We offer a wide variety of valves designed for frequent cycling and other applications.



P64F



P68F

## Technical data

**Fluid:**
Compressed air, neutral gases
NOTE: Contact technical support for use with other media.

**Maximum pressure solenoid operated:**
Dependent on solenoid rating [must not exceed 150 psig (10 bar)]

**Max. pressure pilot operated:**
250 psig (17 bar) max.
Minimum operating pressure: 44 psig (3 bar)

**Operating temperature solenoid operated:**
[must be within range
0°* to 125°F
(-20°* to 50°C)]

**Operating temp. pilot operated:**
0°* to 175°F (-20°* to 80°C)
* Air supply must be dry enough to avoid ice formation at temperatures below 35°F (2°C).

**Materials**

**P64F**
Body: zinc alloy

Intermediate body and top plate: aluminum

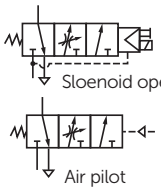
Exhaust bonnet: zinc alloy
Yoke: zinc alloy

Elastomers: synthetic materials
Filter discs: sintered plastic
Internal components: brass/steel

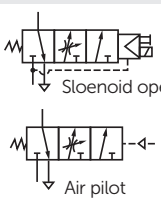
**P68F**
Body: aluminum
Top plate: aluminum
Bottom plate: aluminum
Yoke: aluminum
Elastomers: synthetic materials
Filter discs: sintered plastic
Internal components: brass/steel

**Maximum Flow:**
P64F = 120 scfm
P68F = 311 scfm

## P64F Ordering information

| ISO Symbol | Port Size | Solenoid pilot operated | Air pilot operated |
|---|---|---|---|
|  Sloenoid operated Air pilot | 1/2" | P64F-2AC-PFN | P64F-2GA-NNN |
| | 3/8" | P64F-3AC-PFN | |
| | 1/2" | P64F-4AC-PFN | |
| | 3/4" | P64F-6AC-PFN | |

## P68F Ordering information

| ISO Symbol | Port Size | Solenoid pilot operated | Air pilot operated |
|---|---|---|---|
|  Sloenoid operated Air pilot | 3/4" | P68F-6AH-NPN | P68F-6AB-NNN |
| | 1" | P68F-8AH-NPN | P68F-8AB-NNN |
| | 1-1/4" | P68F-AAH-NPN | P68F-AAB-NNN |
| | 1-1/2" | P68F-BAH-NPN | P68F-BAB-NNN |


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## Options selector

P6★F - ★ ★ ★ - ★ ★ ★

| Series | Substitute |
|---|---|
| 64 | 4 |
| 68 | 8 |
| **Port size** | **Substitute** |
| 1/4"* | 2 |
| 3/8"* | 3 |
| 1/2"* | 4 |
| 3/4" | 6 |
| 1"** | 8 |
| 1-1/4"** | A |
| 1-1/2"** | B |
| **Threads** | **Substitute** |
| PTF | A |
| ISO G parallel | G |
| No Yoke (N in 5th position) | N |
| ISO G pilot and exhaust ports | |
| No Yoke (N in 5th position) | A |
| PTF pilot and exhaust ports | |
| **Operator** | **Substitute** |
| Air pilot | A |
| Air pilot with manual lockout | B |
| 22 mm miniature solenoid | C |
| 22 mm miniature solenoid with manual lockout | D |
| 32 mm solenoid | G** |
| 32 mm solenoid with manual lockout | H** |
| CNOMO solenoid | L |
| CNOMO solenoid with manual lockout | M |

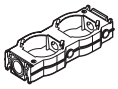
| Connectors | Substitute |
|---|---|
| 3 pin plug with cable grip, no indicator | A |
| Without | N |
| **P64F/P68F (22 mm solenoid)** | |
| **Coil voltage** / **Nominal power rating** | **Substitute** |
| 24 V d.c. / 2 W | F |
| 110/120 V, 50/60 Hz / 4/2.5 V A | A |
| No solenoid / – | N |
| **P68F (32 mm solenoid)** | |
| **Coil voltage** / **Nominal power rating** | **Substitute** |
| 24 V d.c. / 4.5 W | P |
| 110/120 V, 50/60 Hz / 14/10 V A | J |
| No solenoid / – | N |
| No coil | Z |
| **Solenoid manual operator** | **Substitute** |
| Shrouded push button | P |
| None | N |

* 64 series only ** 68 series only



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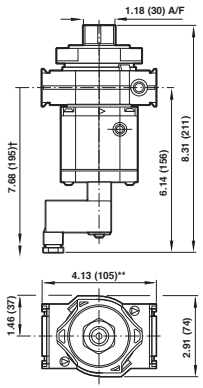
## Accessories

| | Size | Bracket kit | Bracket kit | 3/2 Shut-off valve | Manual shut-off with lockout | Single yoke | Double yoke | Exhaust port silencer | Connector plug with cable gland | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | |  |  |  |  |  |  |  |  Indicator type | |  No Indicator |
| P64F | 1/4" | 74504-50 | – | T64E-2AB-P1N | – | Y64A-2AA-N1N | Y64A-2AA-N2N | MB004A | 54934-08* | 10-50 V a.c./d.c. | Indicator type |
| | 3/8" | 74504-50 | – | T64E-3AB-P1N | Factory fit option only. | Y64A-3AA-N1N | Y64A-3AA-N2N | MB004A | 54934-02 | 110/120 V a.c. | Indicator type |
| | 1/2" | 74504-50 | – | T64E-4AB-P1N | See Options selector | Y64A-4AA-N1N | Y64A-4AA-N2N | MB004A | 54934-01 | – | No indicator |
| | 3/4" | 74504-50 | – | T64E-6AB-P1N | – | Y64A-6AA-N1N | Y64A-6AA-N2N | MB004A | – | – | – |
| P68F | 3/4" | – | 18-001-979 | T68E-6AB-B2N | Standard | Y68A-6AN-N1N | Y68A-6AN-N2N | MB008A | 54934-08* | 10-50 V a.c./d.c. | Indicator type |
| | 1" | – | 18-001-979 | T68E-8AB-B2N | Standard | Y68A-8AN-N1N | Y68A-8AN-N2N | MB008A | 54934-02 | 110/120 V a.c. | Indicator type |
| | 1-1/4" | – | 18-001-978 | T68E-AAB-B2N | Standard | Y68A-AAN-N1N | Y68A-AAN-N2N | MB008A | 54934-01 | – | No indicator |
| | 1-1/2" | – | – | T68E-BAB-B2N | Standard | Y68A-BAN-N1N | Y68A-BAN-N2N | MB008A | – | – | – |

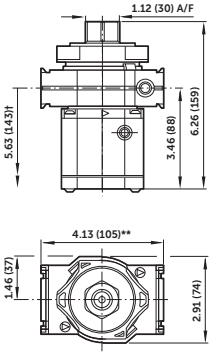
* Reduced light intensity at 12 V.

### P64F

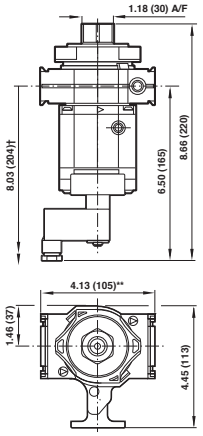
#### Solenoid operated



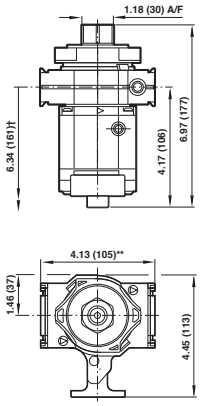

#### Air pilot operated




#### Solenoid operated plus manual shut-off with lockout

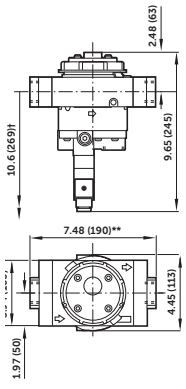



#### Air pilot operated plus manual shut-off with lockout

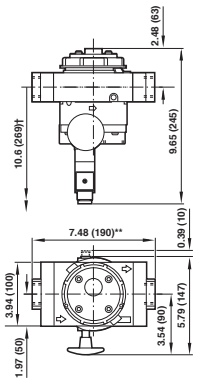



### P68F

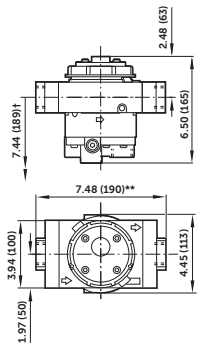
#### Solenoid operated



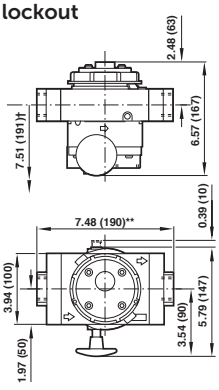

#### Solenoid operated plus manual shut-off with lockout




#### Air pilot operated




#### Air pilot operated plus manual shut-off with lockout

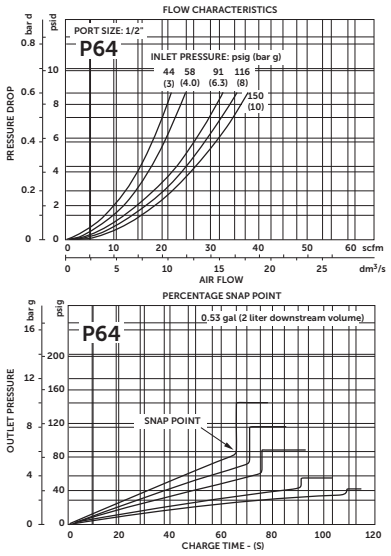


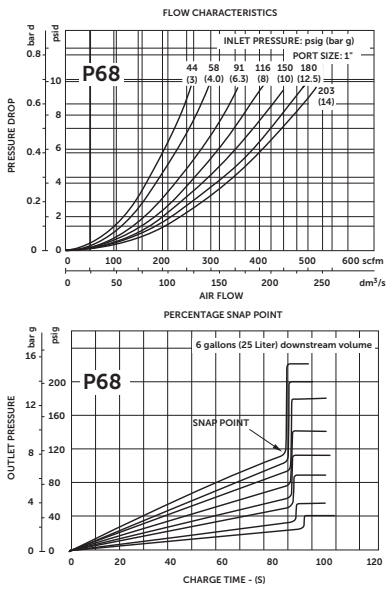

** 7.87" (200 mm) for 1-1/4, 1-1/2 models.

† Minimum clearance required to remove unit.

Dimensions in inches (mm)

### Typical Performance Characteristics






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