

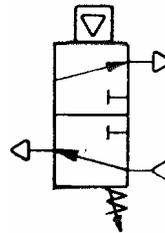
MODEL 3325 NORMALLY OPEN ADJUSTABLE AIR PILOT RELAY VALVE ¼" NPT

DESCRIPTION

The 3325 is a poppet-type normally open adjustable relay valve. The spring keeps this valve in an open position and lets the air pass from the source of supply to the device actuated. When air pressure enters the pilot port the valve will go into a closed and exhaust position. This stops the flow of air from the source of supply and exhausts the air from the device actuated. Several spring ratings are available up to 120 psi. This valve lends itself extremely well for interlocking and time delay circuitry. Its solid construction of bronze and stainless steel parts will give many years of trouble-

free service. This valve has a full ¼ inch flow capacity without restriction.

An optional inlet cap is available which is equipped with an adjustable flow control that permits the volume regulation of the supply air.



Schematic Symbol

SPECIFICATIONS

Weight: 2.2 lbs (1 kg)

Materials: Die cast silicon bronze and stainless steel hardware

Maximum Supply Pressure: 200 psi (13.8 bar)

Operating Temperature Range: -40°C to +90°C

Pipe Port Size: ¼" NPT

ORDERING INFORMATION

Model Designation Code:

- A – Standard inlet cap
- B – With flow control inlet cap
- C – Heavy spring, 40-120 psi range
- D – Light spring, 25-60 psi range
- DD – Extra light spring, 10-20 psi range
- E – Left hand model (as shown in drawing)
- F – Right hand model

The standard Model 3325 Relay Valve is supplied as follows:

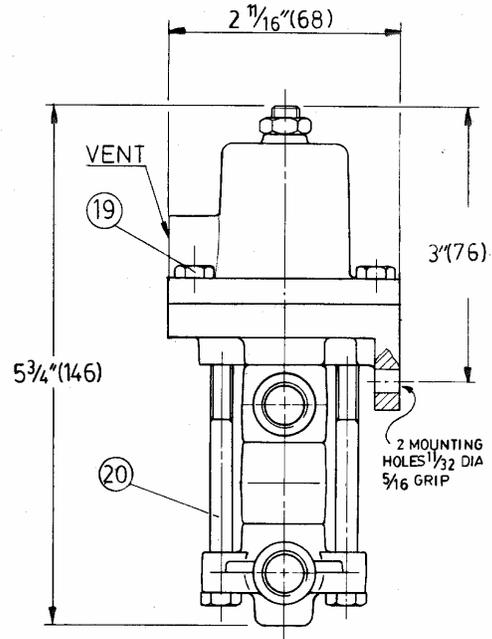
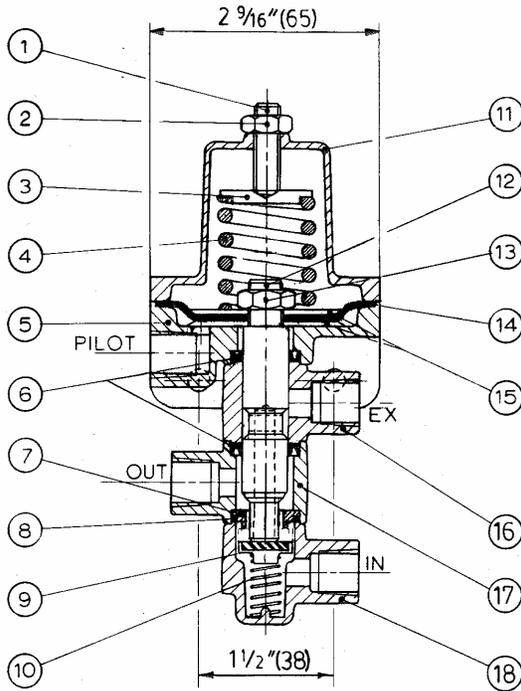
- Standard inlet cap
- Heavy spring
- Left or right hand model (to specify)

To order, state model number followed by desired designation code.

Example: 3325-ACE for standard left hand valve.

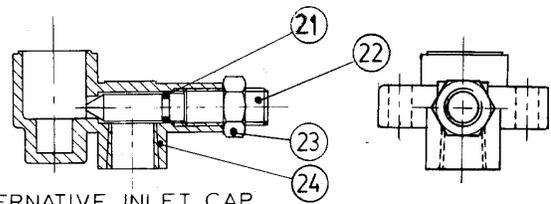
Repair kit 3325-RK is available for seal repair.

DIMENSIONS AND PARTS LIST MODEL 3325



| Item | Qty | Part Number | Description |
|------|-----|-------------|--------------------------|
| 1 | 1 | 1016-1116 | Setscrew |
| 2 | 1 | 1022-0211 | Jam nut |
| 3 | 1 | 3325-0001 | Retainer |
| 4 | 1 | 1201-0012 | Spring, 40-120 psi |
| *4 | 1 | 1201-0050 | Spring, 10-20 psi |
| *4 | 1 | 1201-0010 | Spring, 25-60 psi |
| 5 | 1 | 3325-0013 | Vent port R.H. |
| 5 | 1 | 3325-0002 | Vent port L.H. |
| 6 | 2 | 1102-0005 | "U" Cup |
| 7 | 1 | 3804-0003 | Seat |
| 8 | 1 | 1101-0016 | "O" Ring |
| 9 | 1 | 3804-0004 | Poppet |
| 10 | 1 | 1201-0009 | Spring |
| 11 | 1 | 3325-0005 | End cap |
| 12 | 1 | 3325-0006 | Spool |
| 13 | 1 | 1022-0262 | Jam nut |
| 14 | 1 | 1105-2001 | Diaphragm |
| 15 | 2 | 3325-0007 | Washer |
| 16 | 1 | 3325-0008 | Exhaust port |
| 17 | 1 | 3325-0009 | Outlet port |
| 18 | 1 | 3325-0010 | Inlet cap |
| 19 | 4 | 1001-1012 | Hex head capscrew |
| 20 | 2 | 1001-1044 | Hex head capscrew |
| *21 | 1 | 1101-0008 | "O" Ring |
| *22 | 1 | 3325-0011 | Needle |
| *23 | 1 | 1022-0262 | Jam nut |
| *24 | 1 | 3325-0012 | Inlet cap (flow control) |

All Dimensions in inches (mm)



ALTERNATIVE INLET CAP
WITH FLOW CONTROL

❖ Alternative inlet cap with flow control (item 24) can be used to replace item 18.