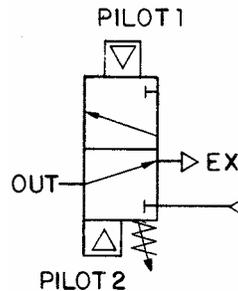


MODEL 3327 NORMALLY CLOSED ADJUSTABLE DIFFERENTIAL AIR PILOT RELAY VALVE ¼" NPT

DESCRIPTION

The 3327 is a poppet-type normally closed relay valve. The diaphragm spring keeps this valve in a closed position. This stops the flow of supply air and vents the accumulated air from the device actuated to exhaust. Various springs are available for this valve to bring the pilot pressure setting to a maximum of 120 psi. When air pressure enters pilot port number one and accumulates to a pressure higher than the spring setting, it will open the supply to the OUT port and close the OUT port to exhaust. The valve can be cancelled (returned to closed position) by lowering the pilot pressure in number one pilot port. It can also be closed by sending a signal to pilot port number two, which will overcome

pilot pressure number one. This valve lends itself extremely well for a multitude of dual piloting applications. The purpose of the dual diaphragm is to avoid deflection of the diaphragms in two directions.



Schematic Symbol

SPECIFICATIONS

Weight: 3.2 lbs (1.4 kg)

Materials: Die cast silicon bronze and stainless steel hardware

Maximum Supply Pressure: 200 psi (13.8 bar)

Maximum Pilot Pressure: 140 psi (9.7 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
- F – Right hand model (as shown in picture)

The standard Model 3327 Relay Valve is supplied as follows:

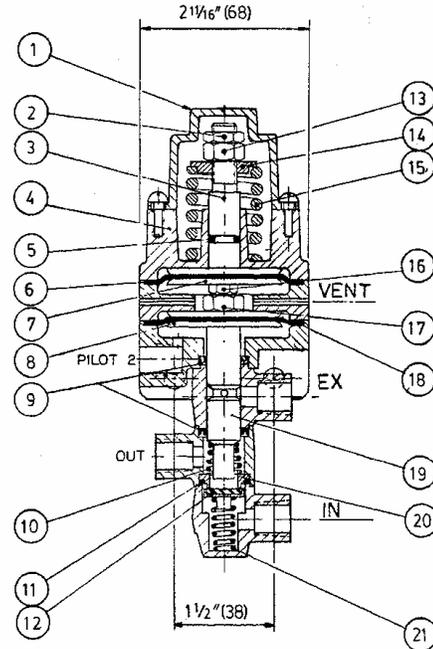
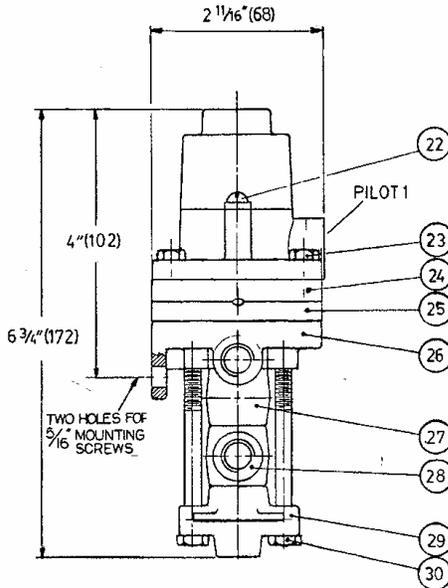
- Standard inlet cap
- Heavy spring, 40-120 psi range
- Left or right hand model (to specify)

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

Example: 3327-ACE for standard left hand valve.

Repair kit 3327-RK is available for seal repair.

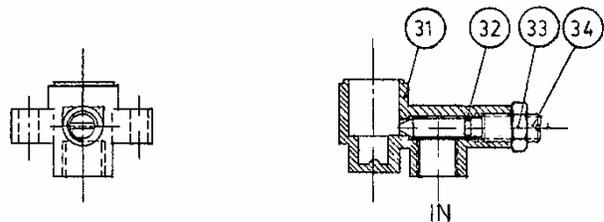
DIMENSIONS AND PARTS LIST MODEL 3327



3327			
Item	Qty	Part Number	Description
1	1	3326-0001	End cap
2	2	1022-0212	Jam nut
3	1	3326-0004	Spool
4	1	3326-0002	Pilot port 1
5	1	1101-0012	"O" ring
6	1	1105-2002	Diaphragm
7	2	3326-0006	Washer
8	2	3325-0007	Washer
9	2	1102-0005	"U" Cup
10	1	1201-0016	Spring
11	1	1101-0016	"O" Ring
12	1	3804-0004	Poppet
13	1	1022-0112	Nut
14	1	3326-0005	Retainer
*15	1	1201-0050	Spring 10-20 psi
*15	1	1201-0010	Spring 25-60 psi
15	1	1201-0012	Spring 40-120 psi
16	1	1001-1010	Hex head screw
17	1	1022-0262	Jam nut
18	1	1105-2001	Diaphragm
19	1	3325-0006	Spool
20	1	3804-0003	Seat
21	1	1201-0009	Spring
22	2	1010-0806	Round head screw
23	4	1001-1020	Hex head screw
24	1	3327-0003	Spacer
25	1	3327-0001	Spacer
26	1	3325-0013	Pilot port 2 - R.H.
26	1	3325-0002	Pilot port 2 - L.H.
27	1	3325-0008	Exhaust port
28	1	3325-0009	Outlet port
29	1	3325-0010	Inlet cap
30	2	1001-1044	Hex head screw
*31	1	3325-0012	Inlet cap
*32	1	1101-0008	"O" Ring
*33	1	1022-0262	Jam nut
*34	1	3325-0011	Needle

* optional

All Dimensions in inches (mm)



❖ Alternative inlet cap with flow control can be used to replace item 29.