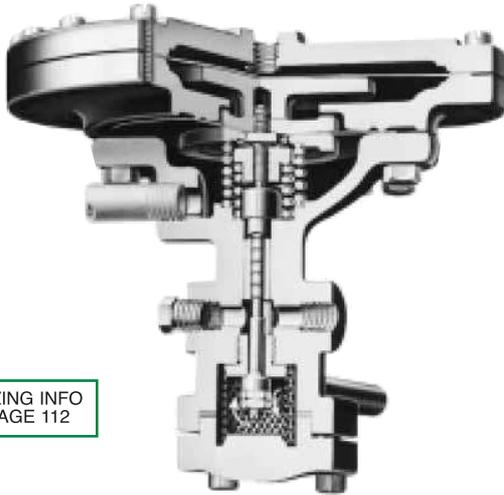


TYPE A73 AIR ADJUSTED PILOT



SIZING INFO  
PAGE 112

**TYPE A85 AIR ADJUSTED VACUUM PILOT**

**APPLICATION DATA**

- Pressure Regulating for Remote Locations
- Pneumatic Pressure Control
- Pneumatic Temperature Control
- Process Control where Controller is Far from Pilot

**RATINGS** (Maximum Inlet Conditions)

| Construction | Pressure<br>PSIG (bar) | Temperature<br>°F (°C) |
|--------------|------------------------|------------------------|
| Cast Iron    | 250 (17.2)             | @ 450 (232)            |
| Cast Steel   | 600 (41.4)             | @ 750 (400)            |

**TYPICAL CONFIGURATIONS**

- PRESSURE REDUCING .....TYPE EA
- PRESSURE REDUCING .....TYPE E2A
- PRESSURE REDUCING .....TYPE E5A
- PRESSURE REDUCING .....TYPE E6A
- WATER PRESSURE REDUCING .....TYPE C34A
- TEMPERATURE & PRESSURE .....TYPE EAT61

Canadian Registration # OC 0591.9C

**TYPE A SERIES  
PILOTS  
AIR ADJUSTED PILOTS**

CONTROLS -30 in. hg to 150 PSIG

- Air Loaded
- Remote Control
- Spring Operated
- Normally Closed
- Packless Construction
- Economic Use of Air
- Ease of Adjustment
- Accurate to ±1 psi
- Delivery to Loading Air Pressure Ratios from 5/8 to 1 up to 6-2/3 to 1 psi
- Fluid, Gas & Vapor Applications
- Accurate Regulation Unaffected by Service Conditions
- Easy In-line Maintenance

**OPTIONS**

- Integral Mount
- Air Filter Regulator/Gauges

**MODELS\***

- **TYPE A** for pressure control at low pressures. Delivery to loading pressure is 1 to 1 psi.
- **TYPE A35** for pressure control at very low delivery pressures as in some heating system control. Delivery to loading pressure is 1/2 to 1 psi.
- **TYPE A43 & A54** for pressure control at medium to high pressures. Delivery to loading pressure is 2% to 1 psi.
- **TYPE A53** for pressure control at medium pressures. Delivery to loading pressure is 4 to 1 psi.
- **TYPE A70 & A73** for pressure control at high delivery pressures when available loading air is at low pressure. Delivery to loading pressures are 15 and 6% (respectively) to 1 psi.
- **TYPE A82** Vacuum for pressure control of very low pressure or systems varying between very low pressure and light vacuum. Delivery to loading pressure is 1 to 1 psi.
- **TYPE A83** Vacuum for temperature control. Delivery to loading pressure is 1 to 1 psi.
- **TYPE A84** Vacuum for temperature control at lower delivery pressure features more gradual response. Delivery to loading pressure is 2% to 1 psi.
- **TYPE A85** Vacuum for temperature, pressure and vacuum control. Delivery to loading pressure is 3% to 1 psi.
- **TYPE A86** for pressure control at low pressures. Delivery to loading pressure is 1 to 1 1/2% psi.
- **TYPE A87** Vacuum for temperature, pressure and vacuum control. Delivery to loading pressure is 8% to 1 psi.

\*Ranges are approximate.

# TYPE A SERIES PILOTS

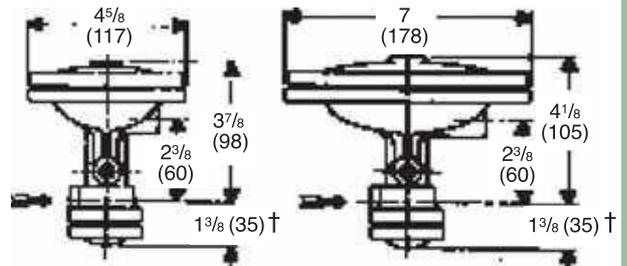
## AIR ADJUSTED PILOTS

### SPECIFICATION

The Pilot shall be separate from the main valve and connected to it with a male union. The Pilot shall be normally closed design with packless construction. A strainer screen shall be built into the Pilot inlet. The Pilot shall be interchangeable on all sizes of main valves.

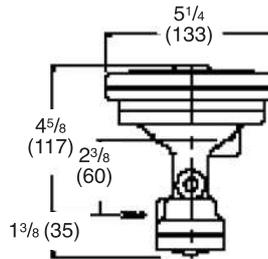
### MATERIALS OF CONSTRUCTION

Body, Cast Iron .....ASTM A126 CI B  
 Body, Cast Steel .....ASTM A216 GR. WCB  
 Stem .....303 St. Stl. ASTM A582 COND A  
 Disc .....440 St. St. ASTM A276-75 COND A  
 Seat .....420 St. Stl ASTM A276 COND A  
 Gasket .....Non-Asbestos  
 Diaphragm .....301 St. Stl. MIL-5-5059C  
 Spring .....Inconel

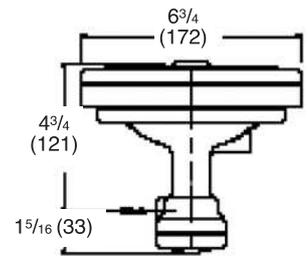


**Type A or A83**  
6 lbs (2.7 kg)

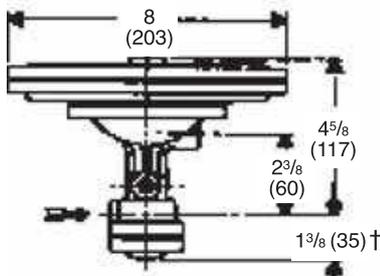
**Type A82**  
11 lbs (5 kg)



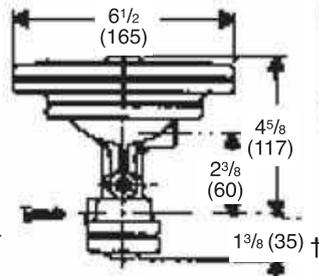
**Type A43**  
11 lbs (5 kg)



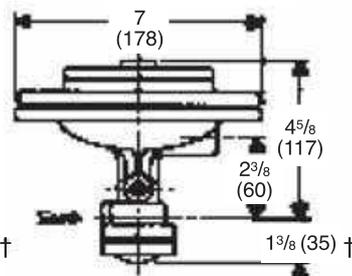
**Type A54**  
19 lbs (8.6 kg)



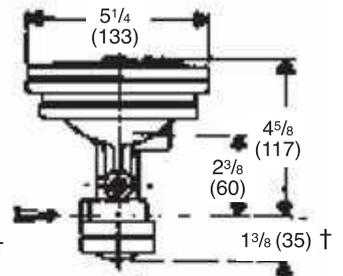
**Type A73 or A70**  
15 lbs (6.8 kg)



**Type A53 or A85**  
12 lbs (5.5 kg)



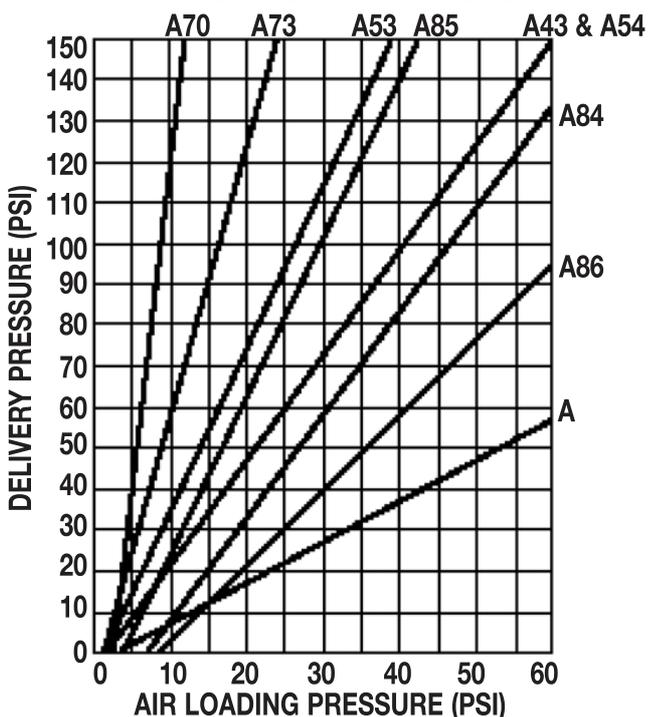
**Type A35**  
14 lbs (6.4 kg)



**Type A84 or A86**  
11 lbs (5 kg)

†For Integral Mount Pilot, this dimension is 5/8" (16).

### PILOTS FOR POSITIVE PRESSURE



### PILOTS FOR VACUUM PRESSURE

