LEAD FREE*

Model LFCP14-1

Rate-of-Flow Pilot

Size: ⅜" NPT

The Model LFCP14-1 is a direct acting, diaphragm actuated Pilot that senses and responds to changes in a differential pressure signal. The differential pressure signal is usually created by an orifice plate located inline either upstream or downstream of the Main Valve. The Pilot has two sensing chambers, one above and one below the diaphragm. The "low" pressure signal is sensed above the diaphragm, and the "high" pressure signal is sensed below the diaphragm.

An increase in flow rate causes the differential pressure across the orifice plate to increase. The Pilot modulates toward a closed position when the differential pressure signal increases above the control setpoint, causing the Main Valve to modulate toward a closed position, decreasing flow rate.

A decrease in flow rate causes the differential pressure across the orifice plate to decrease. The Pilot modulates toward an open position when the differential pressure signal decreases below the control setpoint, causing the Main Valve to modulate toward an open position, increasing flow rate. Turning the adjustment screw clockwise raises the control setpoint, increasing flow rate. Turning the adjustment screw counterclockwise lowers the control setpoint, decreasing flow rate.

The LFCP14-1 is equipped with one ⅜" NPT inlet and three outlet ports for ease of installation, and two ⅛" NPT sensing ports. The ⅛" sensing port above the diaphragm is used to monitor the "low pressure" differential signal, and the sensing port below the diaphragm is used to monitor the "high pressure" differential signal.

LFCP14-1

Specifications

Body Material:	Lead Free Copper Silicon Alloy CF8M (316) Stainless Steel (Optional)
Seat:	316 Stainless Steel
Elastomers:	Buna-N (standard) Viton (optional) EPDM (optional)
Inlet Pressure Rating:	400psi (27.6 bar) maximum

Viton® is a registered trademark of DuPont Dow Elastomers.

***The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.**

NOTICE

The information contained herein is not intended to replace the full product installation and safety information available or the experience of a trained product installer. You are required to thoroughly read all installation instructions and product safety information before beginning the installation of this product.

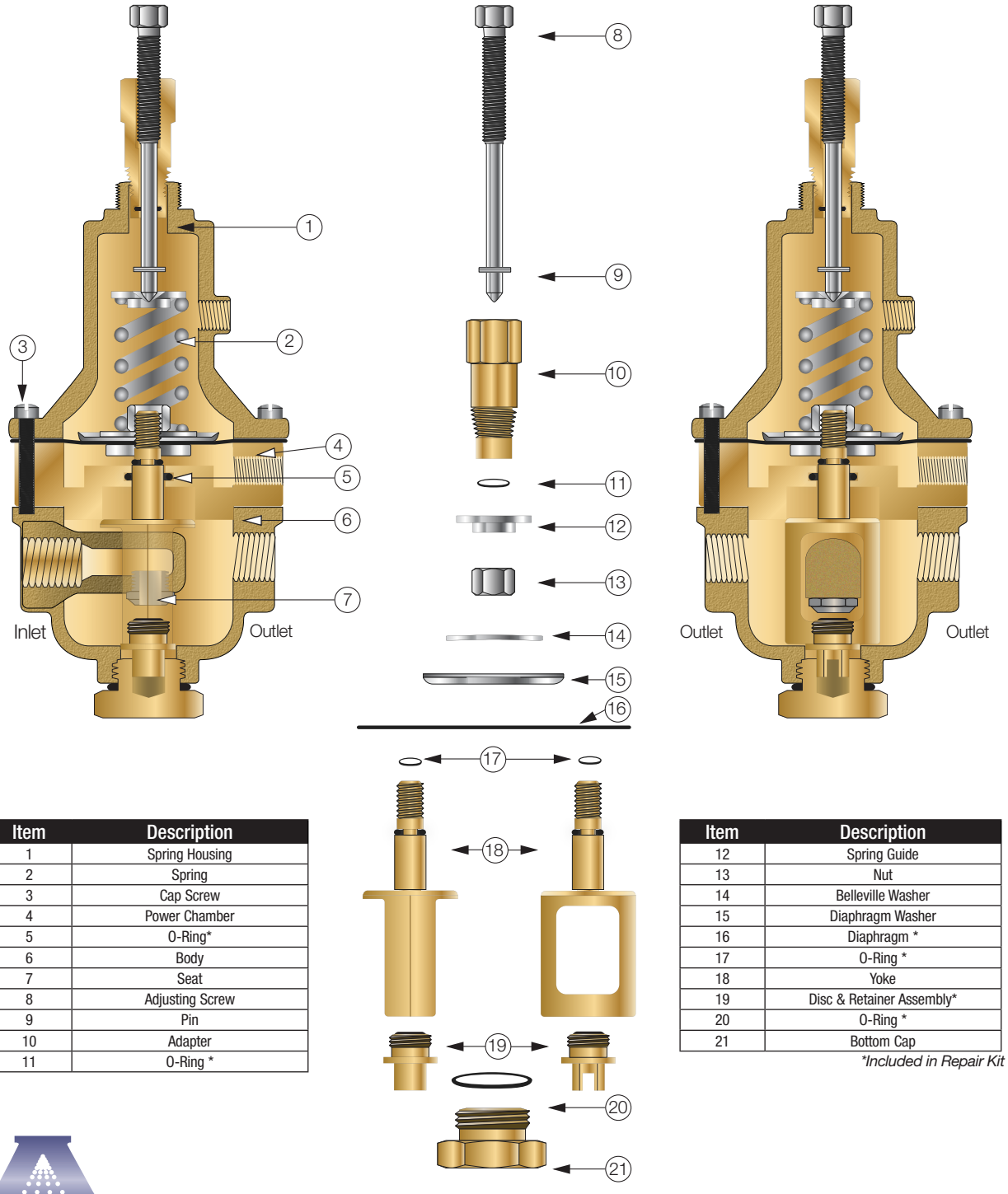
AMES FIRE & WATERWORKS

A WATTS Brand

LEAD FREE*

Model LFCP14-1

Rate-of-Flow Pilot



Item	Description
1	Spring Housing
2	Spring
3	Cap Screw
4	Power Chamber
5	O-Ring*
6	Body
7	Seat
8	Adjusting Screw
9	Pin
10	Adapter
11	O-Ring *

Item	Description
12	Spring Guide
13	Nut
14	Belleville Washer
15	Diaphragm Washer
16	Diaphragm *
17	O-Ring *
18	Yoke
19	Disc & Retainer Assembly*
20	O-Ring *
21	Bottom Cap

Included in Repair Kit

AMES
FIRE & WATERWORKS

A WATTS Brand

USA: Backflow Tel: (978) 689-6066 • Fax: (978) 975-8350 • AmesFireWater.com
USA: Control Valves Tel: (713) 943-0688 • Fax: (713) 944-9445 • AmesFireWater.com
Canada: Tel: (905) 332-4090 • Fax: (905) 332-7068 • AmesFireWater.ca
Latin America: Tel: (52) 81-1001-8600 • AmesFireWater.com