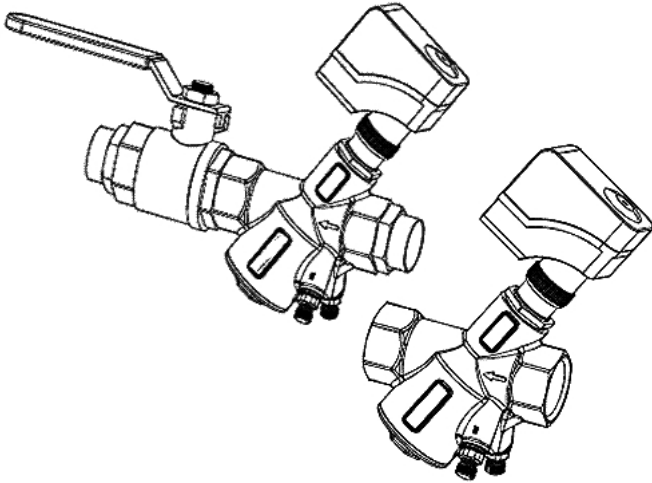


JOB:	REPRESENTATIVE:	
UNIT TAG:	ORDER NO.	DATE:
ENGINEER:	SUBMITTED BY:	DATE:
CONTRACTOR:	APPROVED BY:	DATE:



Ultra Setter™

Pressure Independent Control And Balancing Valve

DESCRIPTION

The Bell & Gossett Ultra Setter™ is a pressure independent electrically actuated combination temperature control, balance, and commissioning valve for use in HVAC systems. It features an internal automatic balancing cartridge that works in conjunction with the external modulating control actuator to ensure proper flow through the system. This results in less required installation and commissioning time and allows for greater system flexibility and more accurate flow control for improved system efficiency.

Ultra Setter™ valves are available in two models, Model PV and Model AA. All valves come with a choice of 0-10 V_{DC} Analog or 3-Position Tri-State actuator or no actuator and are equipped with two capped 1/4" readout valves and feature threaded NPT end connections.

Model AA offers optional sweat female end connections, and includes include ball isolation valve and hanging ID tag.

CONSTRUCTION

Valve
 Body: DZR Brass
 Spring: Stainless Steel
 Diaphragm: HNBR
 O-Rings: EPDM
 Stem: Stainless Steel

Ball Valve (Model AA Only)
 Body/Stem: DZR Brass
 Ball: Brass
 O-Ring: EPDM
 Seat: Teflon

Actuator
 Housing Protection: IP40 to EN60529 (1/2" thru 1-1/4")
 IP54 to ENG60529 (1-1/2" thru 2")
 Noise Level: <35 db (A)

MAXIMUM WORKING PRESSURE

Model PV: 400 psig (2,758 kPa)
 Model AA: 290 psig (2,000 kPa)

FLUID TEMPERATURE RANGE

Model PV: 32°F (0°C) to 250°F (121°C)
 Model AA: 34°F (1°C) to 230°F (110°C)

CONTROL RANGE

Min: See Page 5
 Max: 60 psid (414 kPa)

ACCURACY

+/- 5%

AMBIENT AIR TEMPERATURE

34°F (1°C) to 122°F (50°C)

AMBIENT HUMIDITY

5% to 85% RH

CLOSE-OFF PRESSURE/LEAKAGE RATE

1/2" - 1-1/4": ANSI Class IV (ANSI/FCI 70-2) to 60 PSID Available
 1-1/2" - 2": ANSI Class III (ANSI/FCI 70-2) to 60 PSID Available

For additional Actuator information, including construction specifications and operating limits, please refer to Siemens literature numbers 115-773 and 115-777.