

G7150DS-250





Type overview

| Туре | DN |
|-------------|-----|
| G7150DS-250 | 150 |
| | |

Technical data

| Functional data | Valve size [mm] | 6" [150] |
|-------------------|--------------------------|---|
| | Fluid | chilled or hot water, up to 60% glycol |
| | Fluid Temp Range (water) | 32150°F [065°C] |
| | Body Pressure Rating | ANSI Class 250, up to 280 psi below 350°F |
| | Flow characteristic | linear |
| | Servicing | repack/rebuild kits available |
| | Rangeability Sv | 50:1 |
| | Flow Pattern | 3-way Diverting |
| | Leakage rate | ANSI Class III |
| | Controllable flow range | stem up - open AB – B |
| | Cv | 248 |
| Materials | Valve body | Cast iron - ASTM A126 Class B |
| | Valve plug | Stainless steel |
| | Stem | 316 stainless steel |
| | Stem seal | NLP EPDM (no lip packing) |
| | Seat | Stainless steel AISI 316 |
| | Pipe connection | 250 lb flanged |
| uitable actuators | Non-Spring | EVB(X) |
| | Spring | (2*AFB(X)) |

Safety notes

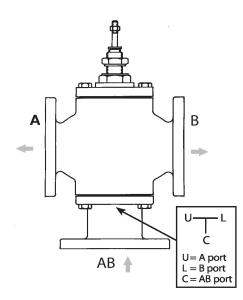


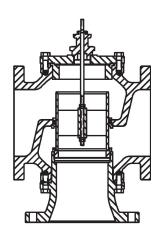
- WARNING: This product can expose you to lead which is known to the State of California to cause cancer and reproductive harm. For more information go to www.p65warnings.ca.gov
- The valve has been designed for use in stationary heating, ventilation and air-conditioning systems and must not be used outside the specified field of application, especially in aircraft or in any other airborne means of transport.
- Only authorized specialists may carry out installation. All applicable legal or institutional installation regulations must be complied during installation.
- The valve does not contain any parts that can be replaced or repaired by the user.
- When determining the flow rate characteristic of controlled devices, the recognised directives must be observed.



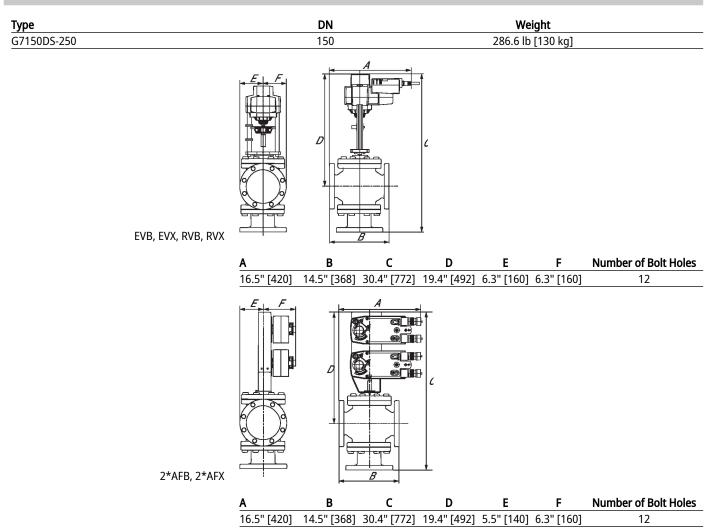


Flow/Mounting details



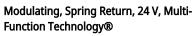


Dimensions





2*AFX24-MFT-S-X1







Technical data

| Electrical data | Nominal voltage | AC/DC 24 V | |
|-----------------|-------------------------------------|--|--|
| | Nominal voltage frequency | 50/60 Hz | |
| | Nominal voltage range | AC 19.228.8 V / DC 21.628.8 V | |
| | Power consumption in operation | 7.5 W | |
| | Power consumption in rest position | 3 W | |
| | Transformer sizing | 20 VA | |
| | Auxiliary switch | 2 x SPDT, 3 A resistive (0.5 A inductive) @ AC 250 V, one set at 10°, one adjustable 1090° | |
| | Switching capacity auxiliary switch | 3 A resistive (0.5 A inductive) @ AC 250 V | |
| | Electrical Connection | (2) 18 GA appliance cables, 1 m, 3 m or 5 m, with or without 1/2" conduit connectors | |
| | Overload Protection | electronic throughout 095° rotation | |
| Functional data | Operating range Y | 210 V | |
| | Operating range Y note | 420 mA w/ ZG-R01 (500 Ω, 1/4 W resistor) | |
| | Input Impedance | 100 k Ω for 210 V (0.1 mA), 500 Ω for 420 mA, 1500 Ω for PWM, On/Off and Floating point | |
| | Operating range Y variable | Start point 0.530 V End point 2.532 V | |
| | Operating modes optional | variable (VDC, PWM, on/off, floating point) | |
| | Position feedback U | 210 V | |
| | Position feedback U note | Max. 0.5 mA | |
| | Position feedback U variable | VDC variable | |
| | Direction of motion motor | selectable with switch 0/1 | |
| | Direction of motion fail-safe | reversible with cw/ccw mounting | |
| | Manual override | 5 mm hex crank (3/16" Allen), supplied | |
| | Angle of rotation | 95° | |
| | Angle of rotation note | adjustable with mechanical end stop, 3595° | |
| | Running Time (Motor) | 150 s / 90° | |
| | Running time motor variable | 70220 s | |
| | Running time fail-safe | <20 s | |
| | Override control | MIN (minimum position) = 0% MID (intermediate position) = 50% MAX (maximum position) = 100% | |
| | Noise level, motor | 40 dB(A) | |
| | Noise level, fail-safe | 62 dB(A) | |
| | Position indication | Mechanical | |
| Safety data | Power source UL | Class 2 Supply | |
| | Degree of protection IEC/EN | IP54 | |
| | Degree of protection NEMA/UL | NEMA 2 | |
| | Enclosure | UL Enclosure Type 2 | |



2*AFX24-MFT-S-X1

| data | Agency Listing | cULus acc. to UL60730-1A/-2-14, CAN/CSA E60730-1:02, CE acc. to 2014/30/EU |
|-------|---------------------|---|
| | Quality Standard | ISO 9001 |
| | UL 2043 Compliant | Suitable for use in air plenums per Section 300.22(C) of the NEC and Section 602 of the IMC |
| | Ambient humidity | Max. 95% RH, non-condensing |
| | Ambient temperature | -22122°F [-3050°C] |
| | Storage temperature | -40176°F [-4080°C] |
| | Servicing | maintenance-free |
| eight | Weight | 9.26 lb [4.2 kg] |
| rials | Housing material | Galvanized steel and plastic housing |

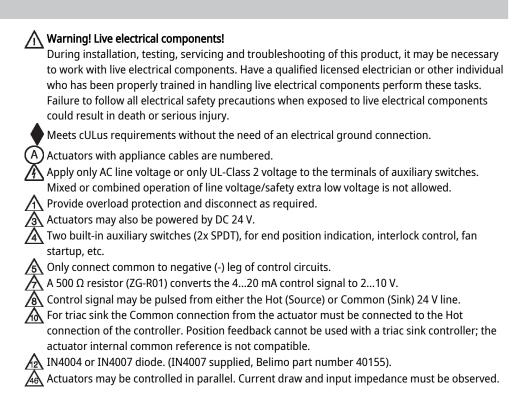
Footnotes *Variable when configured with MFT options.

Accessories

| Gateways | Description | Туре |
|-------------|---|---------|
| | Gateway MP to BACnet MS/TP | UK24BAC |
| | Gateway MP to Modbus RTU | UK24MOD |
| | Gateway MP to LonWorks | UK24LON |
| accessories | Description | Туре |
| | Service Tool, with ZIP-USB function, for programmable and communicative Belimo actuators, VAV controller and HVAC performance devices | ZTH US |
| Tools | Description | Туре |
| | Connection cable 10 ft [3 m], A: RJ11 6/4 ZTH EU, B: 3-pin Weidmüller and supply connection | ZK4-GEN |
| | Service Tool, with ZIP-USB function, for programmable and communicative Belimo actuators, VAV controller and HVAC performance devices | ZTH US |

Electrical installation

Electrica





2*AFX24-MFT-S-X1

