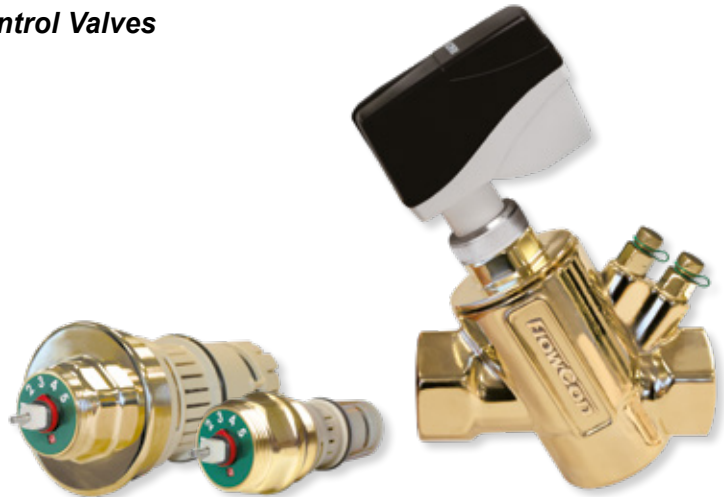


FlowCon Green.0 / Green.1 / Green.2

Pressure Independent Control Valves
15-40 mm / 1/2"-1 1/2"



SPECIFICATIONS

Insert:

| | |
|----------------------------------|---|
| Static pressure: | 2500 kPa / 360 psi |
| Ambient temperature: | +1°C to +50°C / +34°F to +122°F |
| Media temperature ¹ : | -20°C to +120°C / -4°F to +248°F |
| Material: | |
| - Insert: | Glass-reinforced PSU/POM/PPS |
| - Metal components (internal): | Stainless steel |
| - O-rings: | EPDM |
| - Cone: | PPS |
| - Diaphragm: | DN20 / 3/4" insert: EPDM DN40 / 1 1/2" insert: Hydrogenated acrylonitrile-butadiene-rubber |
| Stroke: | DN20 / 3/4" insert: 3.4 mm / 0.13 in DN40 / 1 1/2" insert: 5.2 mm / 0.2 in |
| Maximum close off pressure: | 800 kPa / 116 psi |
| Maximum operational ΔP: | 800 kPaD / 116 psid |
| Control characteristic: | linear (may be converted to equal % on actuator) |
| Control range: | 1:1000 / IEC 60534 |
| Rangeability: | 100:1 |
| Turn down ratio: | 100:1 |
| Shut-off leakage: | ANSI / FCI 70-2 2006 / IEC 60534-4 - Class IV |
| Flow rate range: | DN20 / 3/4" insert: 0.0103-0.308 l/sec / 0.163-4.89 GPM DN40 / 1 1/2" insert: 0.240-1.29 l/sec / 3.81-20.4 GPM |

Valve:

| | |
|------------------|--|
| Material: | |
| - Housing: | Forged brass ASTM CuZn40Pb2 or DZR CuZn36Pb2As |
| - Ball valve: | ABV: Chemically nickel-plated brass ball |
| End connections: | A: Fixed female ISO or NPT (only available for Green insert 20 mm / 3/4") AB: Fixed female ISO or NPT ABV: Union end connection in brass alloy ISO or NPT. |

Note 1: Stated temperature rating is defined due to no external insert condensation.

SPECIFICATIONS (...continued)

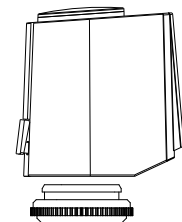
FlowCon Actuators:

| FlowCon Actuator ² | FT.0.2 ³ | FT.0.3 ³ | FT.0.4 ³ |
|-------------------------------|---------------------------------------|--------------------------------------|---------------------------------------|
| Supply voltage | 24V AC -10%... +20%, 50/60Hz | 230V AC ±10%, 50/60Hz | 24V AC/DC -10%... +20%, 50/60Hz |
| Type | Thermal | Thermal | Thermal |
| Power consumption | 1.2W | 1.2W | 1.2W |
| Control signal | Analog 0-10V, Normally closed | ON/OFF, Normally closed | ON/OFF, Normally closed |
| Failsafe function | Yes | Yes | Yes |
| Operation time ⁴ | App. 3.5 minutes | App. 4.5 minutes | App. 4.5 minutes |
| Ambient temperature | 0°C to +60°C / +32°F to +140°F | 0°C to +60°C / +32°F to +140°F | 0°C to +60°C / +32°F to +140°F |
| Protection | IP54 including upside-down, class III | IP54 including upside-down, class II | IP54 including upside-down, class III |
| Cable | Plug-in, 1 m / 3 ft | Fixed, 1 m / 3 ft | Fixed, 1 m / 3 ft |
| Weight | 0.12 kg / 0.26 lb | 0.11 kg / 0.24 lb | 0.11 kg / 0.24 lb |

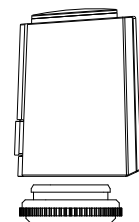
Note 2: FlowCon warranty is voided using other actuators than supplied by FlowCon International.

Note 3: Please note if mounted on FlowCon Green.2 specified leakage rate to be exceeded.

Note 4: Closing time is approximately the double dependent on ambient temperature.

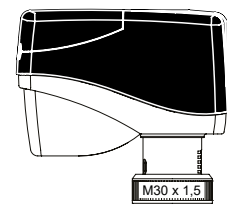


FlowCon FT.0.2

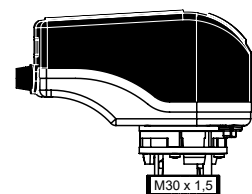


FlowCon FT.0.3/0.4

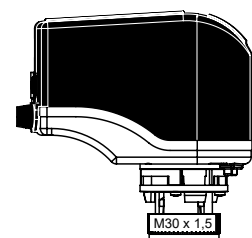
| FlowCon Actuator ⁵ | FN.0.2 | FN.0.3 | FN.0.4 |
|-------------------------------|--|---|--|
| Supply voltage | 24V AC/DC ±10%, 50/60 Hz | 110/230V AC ±10%, 50/60 Hz | 24V AC/DC ±10%, 50/60 Hz |
| Type | Electrical, bi-directional synchronous motor | | |
| Power consumption | AC: 2.5VA operating (4.7VA max) DC: 1.2W operating (2.2W max) | 5VA | AC: 2.5VA operating (4.7VA max) DC: 1.2W operating (2.2W max) |
| Control signal | Analog 0(2)-10V DC, <0.5mA | Digital 2-position / 3-point floating | Digital 2-position / 3-point floating |
| Feedback | Yes, control signal | No | No |
| Failsafe function | No | No | No |
| Auto stroke | Yes | No | Yes |
| Operation time | max 22 sec/mm | 50 Hz: 18.5 sec/mm | max 22 sec/mm |
| Ambient temperature | 0°C to +50°C / +32°F to +122°F | +2°C to +50°C / +36°F to +122°F | 0°C to +50°C / +32°F to +122°F |
| Media temperature | 0°C to +120°C / +32°F to +248°F | - | 0°C to +120°C / +32°F to +248°F |
| Humidity rating | 0..85% rH, no condensation | <95% rH, no condensation | 0..85% rH, no condensation |
| Protection | IP54, class III (IP40 upside-down) indoor use only | IP54, class II | IP54, class III (IP40 upside-down) indoor use only |
| Cable | Fixed 5 x 0.5 mm ² , 1.5 m / 5 x AWG20, 4.9 ft | Fixed 3 x 0.3 mm ² , 1 m halogen free / 3 x AWG22, 3 ft halogen free | Fixed 3 x 0.5 mm ² , 1.5 m 3 x AWG20, 4.9 ft |
| Closing point adjustment | During operation the actuator will self-adjust according to the closing point of the valve | | |
| Weight | 0.25 kg / 0.55 lb | 0.25 kg / 0.55 lb | 0.25 kg / 0.55 lb |



FlowCon FN.0.2/0.4/1.2



FlowCon FN.0.3



FlowCon FN.1.4

Note 5: FlowCon warranty is voided using other actuators than supplied by FlowCon International.

| FlowCon Actuator ⁶ | FN.1.2 | FN.1.4 |
|-------------------------------|---|--|
| Supply voltage | 24V AC/DC ±10%, 50/60 Hz | |
| Type | Electrical, bi-directional synchronous motor | |
| Power consumption | AC: 5.8VA operating (6.8VA max) DC: 2.9W operating (3.3W max) | 6VA, 10VA peaks |
| Control signal | Analog 0(2)-10V DC, <0.5mA | Digital 2-position |
| Feedback | Yes, control signal | No |
| Failsafe function | Yes | Yes |
| Auto stroke | Yes | No |
| Operation time | 22 sec/mm (failsafe mode: 5 sec/mm) | 50 Hz: 18.5 sec/mm |
| Ambient temperature | +2°C to +50°C / +36°F to +122°F | +2°C to +50°C / +36°F to +122°F |
| Media temperature | 0°C to +120°C / +32°F to +248°F | - |
| Humidity rating | 0..85% rH, no condensation | <95% rH, no condensation |
| Protection | IP54, class III (IP40 upside-down) indoor use only | IP54, class II |
| Cable | Fixed, 5 x 0.5 mm ² , 1.5 m / 5 x AWG20, 4.9 ft | Fixed, 4 wires AWG22 halogen free cable, 1 m / 3 ft |
| Closing point adjustment | During operation the actuator will self-adjust according to the closing point of the valve | |
| Weight | 0.27 kg / 0.60 lb | 0.30 kg / 0.66 lb |

Note 6: FlowCon warranty is voided using other actuators than supplied by FlowCon International.

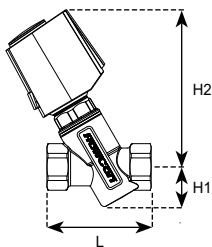
DIMENSIONS AND WEIGHTS (NOMINAL)

| Model no. | Valve model | Valve size mm (in) | Insert size mm (in) | L mm (in) | H1 mm (in) | H2 FT.0.2 actuator mm (in) | H3 FT.0.3/0.4 actuator mm (in) | H4 FN.0.2/0.4 actuator mm (in) | H5 FN.0.3 actuator mm (in) | H6 FN.1.X actuator mm (in) | End connections C ⁷ | | | Weight ⁸ kg (lb) | Kv/Cv ⁹ m ³ /hr (GPM) |
|-----------|-------------|--------------------------|---------------------------|-----------------|------------------|--|--|--|--|--|--------------------------------|----------------------|-----------------------|-----------------------------------|---|
| | | | | | | | | | | | Female ISO (NPT) | Male ISO (NPT) | Sweat ISO (NPT) | | |
| G.X.XX.04 | A | 15 (1/2) | 20 (3/4) | 80 (3.15) | 31 (1.22) | 118 (4.65) | 116 (4.57) | 124 (4.88) | 130 (5.12) | 145 (5.71) | - | - | - | 0.54 (1.19) | 3.1 (3.6) |
| G.X.XX.05 | | 20 (3/4) | | | | | | | | | | | | 0.50 (1.10) | |
| G.X.XX.06 | | 25 (1) | | | | | | | | | | | | 0.54 (1.19) | |
| G.X.XX.01 | AB | 15 (1/2) | 20 (3/4) | 82 (3.23) | 31 (1.22) | 118 (4.65) | 116 (4.57) | 124 (4.88) | 130 (5.12) | 145 (5.71) | - | - | - | 0.55 (1.21) | 3.1 (3.6) |
| G.X.XX.02 | | 94 (3.70) | | 0.61 (1.34) | | | | | | | | | | | |
| G.X.XX.07 | | 102 (4.02) | | 0.64 (1.41) | | | | | | | | | | | |
| G.2.XX.14 | ABV | 25 (1) | 40 (1 1/2) | 128 (5.04) | 47 (1.85) | 138 (5.43) | 137 (5.39) | 144 (5.67) | 153 (6.02) | 165 (6.50) | - | - | - | 1.86 (4.10) | 12.5 (14.5) |
| G.2.XX.15 | | 32 (1 1/4) | | 1.70 (3.75) | | | | | | | | | | | |
| G.X.XX.03 | ABV | 15 (1/2) | 20 (3/4) | 122 (4.80) | 33 (1.30) | 118 (4.65) | 116 (4.57) | 124 (4.88) | 130 (5.12) | 145 (5.71) | 22 (0.87) | 24 (0.95) | 20 (0.79) | 0.90 (1.98) | 3.1 (3.6) |
| G.2.XX.17 | | 20 (3/4) | | | | | | | | | 22 (0.87) | 20 (0.79) | | | |
| | | 25 (1) | | | | | | | | | - | 39 (1.54) | 22 (0.87) | | |
| G.2.XX.17 | ABV | 25 (1) | 40 (1 1/2) | 162 (6.38) | 42 (1.65) | 138 (5.43) | 137 (5.39) | 144 (5.67) | 153 (6.02) | 165 (6.50) | 35 (1.38) | 40 (1.57) | 34 (1.34) | 2.14 (4.72) | 11.7 (13.6) |
| | | 32 (1 1/4) | | | | | | | | | 33 (1.30) | 40 (1.57) | 34 (1.34) | | |
| | | 40 (1 1/2) | | | | | | | | | 33 (1.30) | 42 (1.65) | - | | |

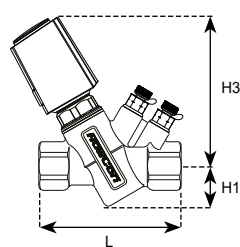
Note 7: Add end connection length to body length.

Note 8: Weight does not include end connections or actuator.

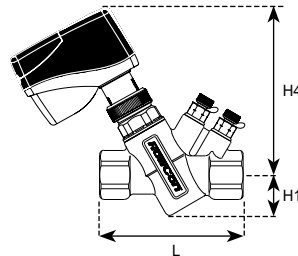
Note 9: For valve body.



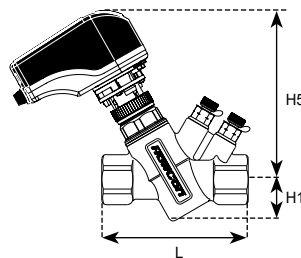
FlowCon Green.0/1 in
FlowCon A valve
DN15/20/25 (1/2", 3/4", 1")
with FlowCon FT.0.2 actuator



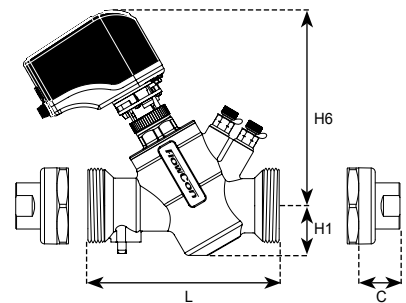
FlowCon Green.0/1 in
FlowCon AB valve
DN15/20/25 (1/2", 3/4", 1")
with FlowCon FT.0.3/0.4 act.



FlowCon Green.0/1 in
FlowCon AB valve
DN15/20/25 (1/2", 3/4", 1")
w. FlowCon FN.0.2/0.4/1.2 actuator



FlowCon Green.0/1 in
FlowCon AB valve
DN15/20/25 (1/2", 3/4", 1")
with FlowCon FN.0.3 actuator



FlowCon Green.2 in
FlowCon ABV2 valve
DN25/32/40 (1", 1 1/4", 1 1/2")
with FlowCon FN.1.4 actuator

MODEL NUMBER SELECTION

Insert flow range:

0=DN20 / 3/4" insert (low flow)
1=DN20 / 3/4" insert (medium flow)
2=DN40 / 1 1/2" insert

Insert type of actuator:

22=FT.0.2 **23**=FT.0.3 **24**=FT.0.4
32=FN.0.2 **33**=FN.0.3 **34**=FN.0.4 **42**=FN.1.2 **44**=FN.1.4

Insert type of body:

DN20 / 3/4" insert:
01=AB DN15, 1/2"
02=AB DN20, 3/4"
03=ABV1 DN15-25, 1/2"-1"
04=A DN15, 1/2"
05=A DN20, 3/4"
06=A DN25, 1"
07=AB DN25, 1"

DN40 / 1 1/2 insert: **14**=AB DN25, 1"
15=AB DN32, 1 1/4"
17=ABV2 DN25-40, 1"-1 1/2"

Insert p/t plug requirements:

B=pressure/temperature plugs **P**=taps plugged - leave blank if A-body or no p/t plugs required

Insert inlet x outlet union end connections: - leave blank if A- or AB-body or no end connections required

| Body model and size | Female threaded | Male treaded | Sweat | |
|--|---|---|--|---|
| G.0.XX.03, 15-25mm, 1/2"-1" G.1.XX.03, 15-25mm, 1/2"-1" | E = 15 mm / 1/2" F = 20 mm / 3/4" | H = 15 mm / 1/2" I = 20 mm / 3/4" J = 25 mm / 1" | K = 15 mm L = 18 mm M = 22 mm | O = 1/2" R = 3/4" U = 1" |
| G.2.XX.17, 25-40mm, 1"-1 1/2" | G = 25 mm / 1" P = 32 mm / 1 1/4" Q = 40 mm / 1 1/2" | J = 25 mm / 1" S = 32 mm / 1 1/4" T = 40 mm / 1 1/2" | N = 28 mm W = 35 mm | V = 1 1/4" W = 1 1/2" |

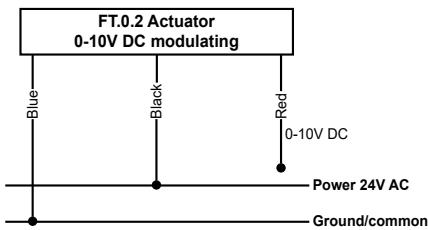
Insert connections standard:

I=ISO **ID**=ISO DZR **N**=NPT (NPT: not available on A DN25 (1") and AB DN25 (1") for 20 mm (3/4") insert)

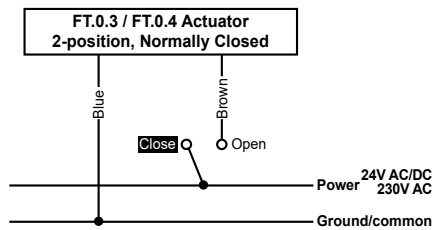
Example: G.1.22.03.B.F.F.I=20 mm (3/4") FlowCon Green, medium flow, with an ABV1-body with p/t plugs and a 24V thermal modulating actuator and 20 mm (3/4") ISO female union end connections.

WIRING INSTRUCTION

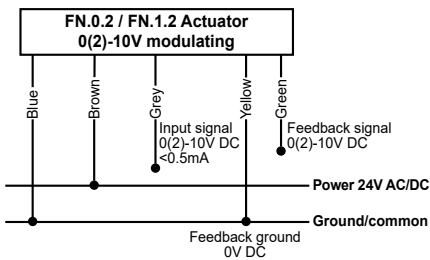
FlowCon FT (analog)



FlowCon FT (digital)

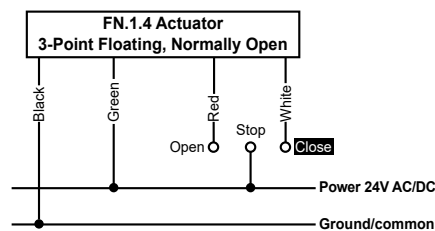
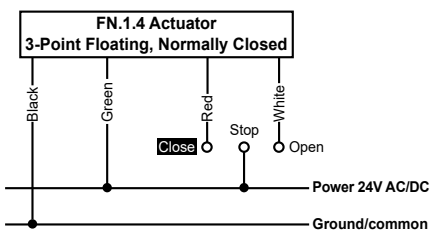
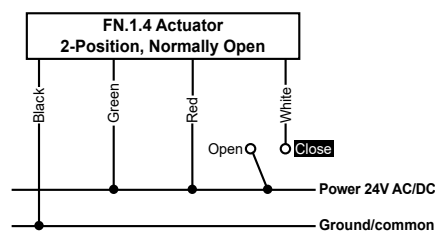
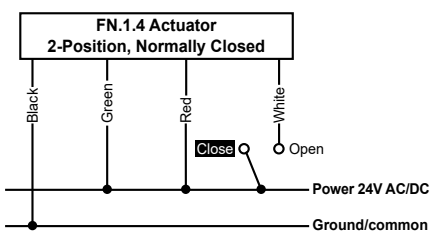
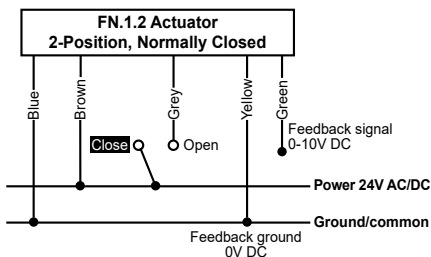
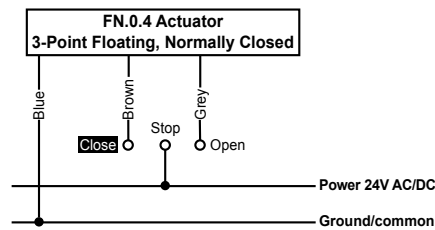
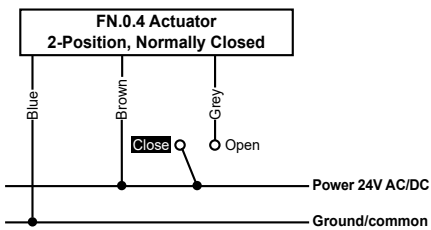
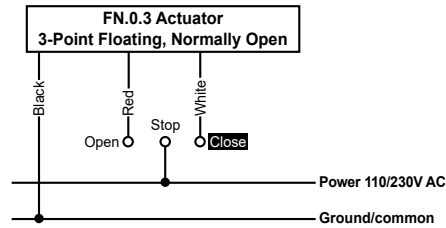
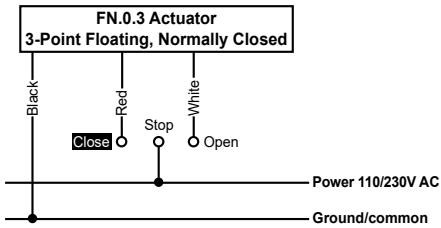
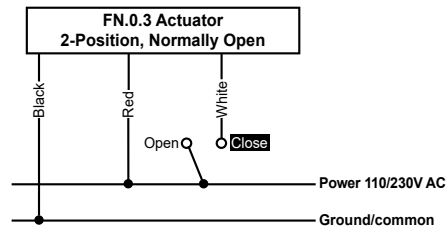
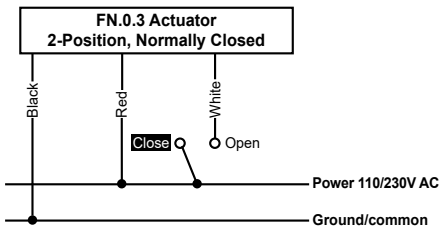


FlowCon FN (analog)



WIRING INSTRUCTION (...continued)

FlowCon FN (digital)



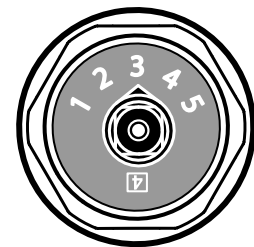
DESCRIPTION

The FlowCon Green serie is a range of pressure independent control valves that are two-way, modulating to accept digital or analog input signals. The valves accept 0(2)-10V, 3-point floating or ON/OFF input signals. Each valve has an adjustable maximum flow rate setting maintaining a full stroke to enable flow limitation and balancing to the coil or zone that the valve is controlling.

For use in fan-coil units, VAV applications and cooling ceilings for activation of heating or cooling. They are available in three different valve housings, i.e. FlowCon A, AB or ABV.

MAXIMUM FLOW RATE LIMITATION SETTINGS

| FlowCon Green | | | | | | | | | | |
|---|------|-------|--|------|-------|---|------|------|-----|---------|
| Insert size: 20 mm · 3/4" | | | | | | Insert size: 40 mm · 1 1/2" | | | | Setting |
| 16-600 kPaD · 2.3-87 psid ¹⁰ | | | 30-800 kPaD · 4.4-116 psid ¹¹ | | | 16-800 kPaD · 2.3-116 psid (at setting: 2.6) | | | | |
| FlowCon Green.0 (grey o-ring) | | | FlowCon Green.1 (black o-ring) | | | FlowCon Green.2 (black o-ring) | | | | |
| l/sec | l/hr | GPM | l/sec | l/hr | GPM | l/sec | l/hr | GPM | | |
| - | - | - | 0.0178 | 64 | 0.282 | 0.240 | 865 | 3.81 | 1.0 | |
| 0.0103 | 37 | 0.163 | 0.0393 | 142 | 0.624 | 0.282 | 1010 | 4.46 | 1.1 | |
| 0.0233 | 84 | 0.370 | 0.0580 | 209 | 0.920 | 0.322 | 1160 | 5.10 | 1.2 | |
| 0.0322 | 116 | 0.510 | 0.0743 | 268 | 1.180 | 0.361 | 1300 | 5.72 | 1.3 | |
| 0.0419 | 151 | 0.664 | 0.0887 | 319 | 1.41 | 0.399 | 1430 | 6.32 | 1.4 | |
| 0.0500 | 180 | 0.792 | 0.102 | 366 | 1.61 | 0.435 | 1570 | 6.90 | 1.5 | |
| 0.0569 | 205 | 0.902 | 0.113 | 408 | 1.80 | 0.471 | 1700 | 7.47 | 1.6 | |
| 0.0650 | 234 | 1.03 | 0.124 | 446 | 1.96 | 0.506 | 1820 | 8.02 | 1.7 | |
| 0.0719 | 259 | 1.14 | 0.134 | 482 | 2.12 | 0.540 | 1940 | 8.56 | 1.8 | |
| 0.0781 | 281 | 1.24 | 0.143 | 516 | 2.27 | 0.573 | 2060 | 9.08 | 1.9 | |
| 0.0839 | 302 | 1.33 | 0.152 | 549 | 2.42 | 0.605 | 2180 | 9.59 | 2.0 | |
| 0.0889 | 320 | 1.41 | 0.161 | 580 | 2.56 | 0.636 | 2290 | 10.1 | 2.1 | |
| 0.0942 | 339 | 1.49 | 0.170 | 611 | 2.69 | 0.667 | 2400 | 10.6 | 2.2 | |
| 0.0981 | 353 | 1.55 | 0.178 | 641 | 2.82 | 0.696 | 2510 | 11.0 | 2.3 | |
| 0.103 | 371 | 1.63 | 0.186 | 671 | 2.95 | 0.725 | 2610 | 11.5 | 2.4 | |
| 0.106 | 381 | 1.68 | 0.194 | 700 | 3.08 | 0.753 | 2710 | 11.9 | 2.5 | |
| 0.109 | 394 | 1.73 | 0.202 | 728 | 3.21 | 0.780 | 2810 | 12.4 | 2.6 | |
| 0.113 | 406 | 1.79 | 0.210 | 756 | 3.33 | 0.807 | 2900 | 12.8 | 2.7 | |
| 0.115 | 414 | 1.82 | 0.218 | 783 | 3.45 | 0.832 | 3000 | 13.2 | 2.8 | |
| 0.119 | 428 | 1.88 | 0.225 | 810 | 3.56 | 0.858 | 3090 | 13.6 | 2.9 | |
| 0.122 | 439 | 1.93 | 0.232 | 835 | 3.68 | 0.882 | 3180 | 14.0 | 3.0 | |
| 0.125 | 449 | 1.98 | 0.239 | 860 | 3.79 | 0.906 | 3260 | 14.4 | 3.1 | |
| 0.127 | 458 | 2.02 | 0.245 | 883 | 3.89 | 0.930 | 3350 | 14.7 | 3.2 | |
| 0.130 | 468 | 2.06 | 0.252 | 906 | 3.99 | 0.953 | 3430 | 15.1 | 3.3 | |
| 0.133 | 477 | 2.10 | 0.257 | 927 | 4.08 | 0.975 | 3510 | 15.5 | 3.4 | |
| 0.135 | 486 | 2.14 | 0.263 | 946 | 4.17 | 0.997 | 3590 | 15.8 | 3.5 | |
| 0.137 | 494 | 2.17 | 0.268 | 965 | 4.25 | 1.02 | 3670 | 16.1 | 3.6 | |
| 0.140 | 503 | 2.21 | 0.273 | 982 | 4.32 | 1.04 | 3740 | 16.5 | 3.7 | |
| 0.142 | 511 | 2.25 | 0.277 | 998 | 4.39 | 1.06 | 3820 | 16.8 | 3.8 | |
| 0.144 | 518 | 2.28 | 0.281 | 1010 | 4.46 | 1.08 | 3890 | 17.1 | 3.9 | |
| 0.146 | 526 | 2.31 | 0.285 | 1020 | 4.51 | 1.10 | 3960 | 17.4 | 4.0 | |
| 0.148 | 532 | 2.34 | 0.288 | 1040 | 4.57 | 1.12 | 4030 | 17.7 | 4.1 | |
| 0.149 | 538 | 2.37 | 0.291 | 1050 | 4.61 | 1.14 | 4100 | 18.1 | 4.2 | |
| 0.151 | 544 | 2.39 | 0.294 | 1060 | 4.66 | 1.16 | 4170 | 18.4 | 4.3 | |
| 0.153 | 549 | 2.42 | 0.296 | 1070 | 4.70 | 1.18 | 4240 | 18.7 | 4.4 | |
| 0.154 | 553 | 2.43 | 0.299 | 1080 | 4.73 | 1.20 | 4300 | 19.0 | 4.5 | |
| 0.155 | 559 | 2.46 | 0.301 | 1080 | 4.77 | 1.21 | 4370 | 19.2 | 4.6 | |
| 0.156 | 563 | 2.48 | 0.303 | 1090 | 4.80 | 1.23 | 4440 | 19.5 | 4.7 | |
| 0.158 | 567 | 2.50 | 0.305 | 1100 | 4.83 | 1.25 | 4500 | 19.8 | 4.8 | |
| 0.159 | 571 | 2.51 | 0.307 | 1100 | 4.86 | 1.27 | 4570 | 20.1 | 4.9 | |
| 0.160 | 575 | 2.53 | 0.308 | 1110 | 4.89 | 1.29 | 4630 | 20.4 | 5.0 | |

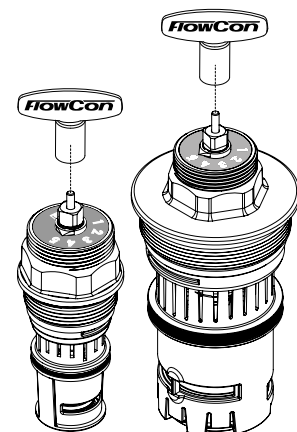


A micrometer setting of 3.4 as illustrated beside corresponds to a maximum flow rate of

Green.0:
0.133 l/sec (2.10 GPM)

Green.1:
0.257 l/sec (4.08 GPM)

Green.2:
0.975 l/sec (15.5 GPM)



Use the special designed key (FlowCon part no. ACC0001) for micrometer setting.

Accuracy: Greatest of either $\pm 10\%$ of controlled flow rate or $\pm 5\%$ of maximum flow rate.
 Note 10: If used in pressure range 200-600 kPaD (29-87 psid), accuracy of -20% / $+0\%$ applies.
 Note 11: If used in pressure range 400-800 kPaD (58-116 psid), accuracy of -20% / $+0\%$ applies.

GENERAL SPECIFICATIONS

1. PRESSURE INDEPENDENT DYNAMIC CONTROL VALVES - FLOWCON GREEN

- 1.1. Contractor shall install the pressure independent dynamic control valves where indicated in drawings.
- 1.2. Valve shall be an electronic, dynamic, modulating, 2-way, pressure independent control device.
- 1.3. Pressure independent dynamic control valve shall accurately control flow, independent of system pressure fluctuation.
- 1.4. Maximum flow setting shall be adjustable to 41 different settings within the range of the valve size.
- 1.5. Valve housing shall be permanently marked to show direction of flow.

2. VALVE ACTUATOR

2.a. FlowCon FT actuators

- 2.a.1. Actuator housing shall be rated to IP54, including upside-down mounting.
- 2.a.2. Actuator shall be driven by 24V or 230V AC, and shall depending on actuator choice accept 0-10V DC or ON/OFF control signal.
- 2.a.3. Actuator shall use full stroke and provide full authority.
- 2.a.4. Actuator shall have visible indication of stroke position.
- 2.a.5. Failsafe function shall be available on all version.

OR....

2.b. FlowCon FN actuators

- 2.b.1. Actuator housing shall be rated to IP54. 360° mounting shall be acceptable, IP40 at 180°.
- 2.b.2. Actuator shall be driven by 24V AC/DC or 110V/230V AC, and shall depending on actuator choice accept 0(2)-10V DC, 3-point floating or 2-position control signal.
- 2.b.3. Actuator shall use full stroke and provide full authority.
- 2.b.4. Actuator shall have visible indication of stroke position.
- 2.b.5. Feedback signal equal to control signal shall be standard on modulating versions.
- 2.b.6. Failsafe version shall be available for 24V AC/DC signal.
- 2.b.7. Optional auto stroke function shall be available on modulating version.
- 2.b.8. Electrical override shall be possible.

3. VALVE HOUSING

3.a. FlowCon A

- 3.a.1. Valve housing shall consist of forged brass ASTM CuZn40Pb2, rated at no less than 2500 kPa (360 psi) static pressure at +120°C (+248°F).

OR....

3.b. FlowCon AB

- 3.b.1. Valve housing shall consist of forged brass ASTM CuZn40Pb2, rated at no less than 2500 kPa (360 psi) static pressure at +120°C (+248°F).
- 3.b.2. Pressure/temperature test plugs for verifying accuracy of flow performance shall be available for all valve sizes.

OR....

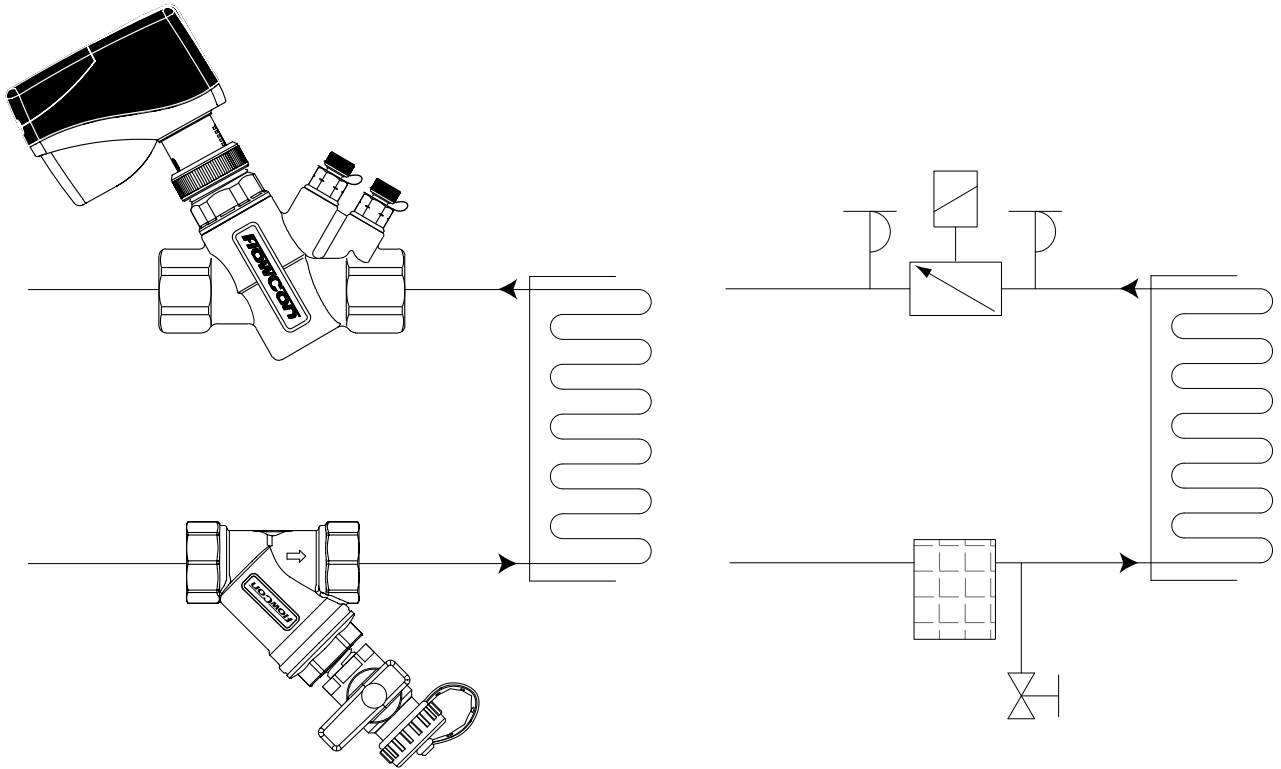
3.c. FlowCon ABV

- 3.c.1. Valve housing shall consist of forged brass ASTM CuZn40Pb2, rated at no less than 2500 kPa (360 psi) static pressure at +120°C (+248°F).
- 3.c.2. Valve ball shall consist of chemically nickel plated brass (ASTM CuZn40Pb2).
- 3.c.3. Pressure/temperature test plugs for verifying accuracy of flow performance shall be available for all valve sizes.

4. FLOW REGULATION UNIT

- 4.1. Flow regulation unit shall consist of glass-reinforced PSU/POM/PPS with an EPDM diaphragm (20 mm / 3/4" insert) or a hydrogenated acrylonitrile-butadiene-rubber diaphragm (40 mm / 1 1/2" insert).
- 4.2. Flow regulation unit shall be readily accessible, for change-out or maintenance. Flow regulation unit shall be adjustable with the valve in-line and the system in operation.
- 4.3. Flow regulation unit shall be externally adjustable to 1 of 41 different flow rates without limiting the stroke length; shall be available in 2 different kPaD operational ranges for DN15/20/25 (1/2", 3/4", 1") and 1 kPaD operational range for DN25/32/40 (1", 1 1/4", 1 1/2"); minimum range shall be capable of being activated by minimum 16 kPaD (2.3 psid). Further, the flow regulation unit shall be capable of controlling the flow within ±10% of rated flow or ±5% of maximum flow.

APPLICATION AND SCHEMATIC EXAMPLE



UPDATES

For latest updates please see www.flowcon.com

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