

YRA



Automatic Balancing Valves
Adjustable Flow regulator & port section

YRA

AutoFlow regulator, adjustably set to automatically limit the flow to within 5% of the specified amount over 95% of the control range. The flow cartridge is removable from the valve body to provide access for regulator inspection and cleaning without breaking the main piping.

Internal wear surfaces of the valve cartridge are stainless steel. Pressure / Temperature ports are standard.



Key features

- > **Flow Regulator**
Less wasted pumping
- > **Removable Flow Cartridge**
- > **Adjustable**
- > **Tamper Resistant**

Technical description

Application:
Hydronic Balancing

Dimensions:
1/2" - 2"

Accuracy:
± 5%

Functions:
Flow regulator

Pressure class:
400 psig at 250° F

Material:
Body: DZR Brass

Articles

Nominal Dimensions & Weights / Cv Rates

| Model | Size in. / (mm) | A | B | C | D | Weight | Cv (Kv) | Maximum gpm (lps*) |
|----------|--------------------|-----------|-----------|-----------|----------|-----------|-----------|-----------------------|
| YRA0050S | 1/2 (15) | 3.7 (93) | 4.6 (117) | 2.8 (71) | 2.2 (55) | 1.1 (.5) | 7.6 (55) | 8 (.5) |
| YRA0050F | 1/2 (15) | 4.0 (101) | 4.8 (122) | 2.8 (71) | 2.2 (55) | 1.1 (.5) | 7.6 (55) | 8 (.5) |
| YRA0075S | 3/4 (20) | 4.1 (103) | 4.8 (122) | 2.8 (71) | 2.2 (55) | 1.3 (.6) | 8.7 (55) | 8 (.5) |
| YRA0075F | 3/4 (20) | 4.2 (106) | 4.9 (125) | 2.8 (71) | 2.2 (55) | 1.3 (.6) | 8.7 (55) | 8 (.5) |
| YRA0100S | 1 (25) | 5.3 (136) | 6.0 (150) | 3.1 (80) | 2.3 (58) | 1.9 (.9) | 15.3 (58) | 18 (1.1) |
| YRA0100F | 1 (25) | 5.5 (140) | 6.2 (157) | 3.1 (80) | 2.3 (58) | 1.9 (.9) | 15.3 (58) | 18 (1.1) |
| YRA0125F | 1 1/4 (32) | 5.8 (148) | 6.6 (168) | 3.1 (80) | 3.1 (80) | 2.3 (1.1) | 15.2 (80) | 18 (1.1) |
| YRA0150F | 1 1/2 (40) | 7.0 (177) | 7.8 (198) | 4.9 (124) | 2.5 (64) | 4.5 (2.1) | 38.7 (64) | 50 (3.2) |
| YRA0200F | 2 (50) | 7.1 (179) | 8.0 (203) | 4.9 (124) | 2.8 (70) | 6.8 (3.1) | 42.1 (70) | 50 (3.2) |

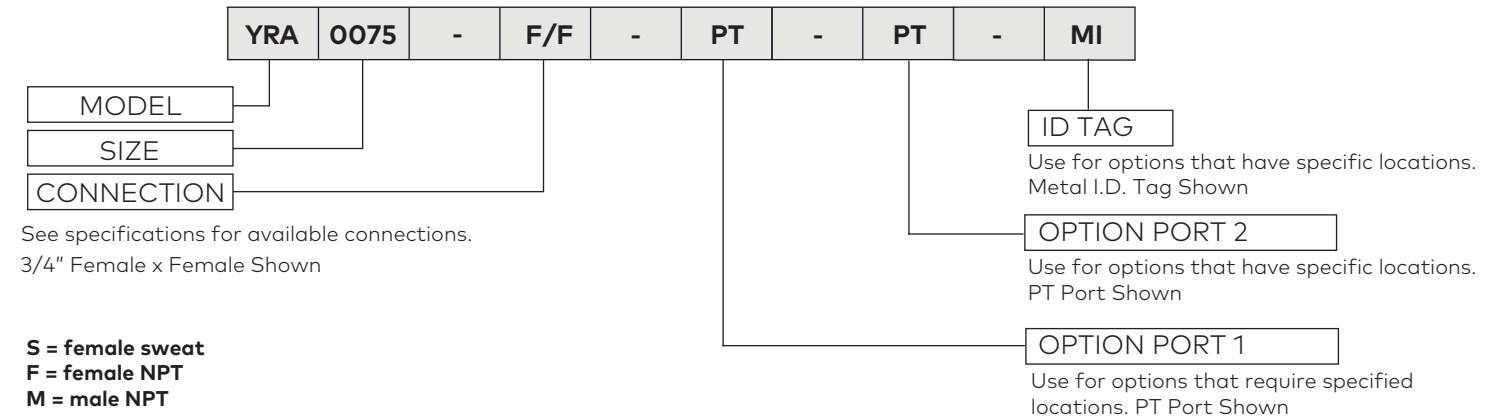
Notes

Weights based on F X F connections and will vary with mixed options/connections.
All weights and dimensions are subject to minor changes. Cv's based on component body without flow regulator.
1 1/4" - 2" available with sweat adapter Available ISO7
2 ports only available

For pump head calculations, add the indicated pressure drop of 4.6 ft (14 kPa) for 2-32 (14-220) or 11.6 ft (35 kPa) for 5-60 (35-414) to calculated drops for other components

Model Order Designation

Model Size
3/4" YRA Shown



Options Available

| | | | |
|-----------|------------------------|-----------|-------------|
| PT | Standard PT (default) | MI | Metal Tag |
| DX | Dual Extended PT Ports | PI | Plastic Tag |
| AV | Manual Air Vent | | |
| AA | Automatic Air Vent | | |
| XL | Extended PT | | |

Note

Dual PT Ports are standard

If DX is needed, please specify only once in Port 1 option

If AV or AA is required, only one other accessory will be available for Port 2 option

