## Manual and Actuated Type 546 with Control Ball Option How to order

Requirement: 1" PVC Ball Valve (2-way) with a control ball manual override with solvent cement socket ends and EPDM seals.

1) Order according to code number: 161.546.344
2) Add option at end of code number for finalpart number: 161.546 .344 C
3) Note that the discount for Type 546 with control ball changes to $C$, manual or actuated.



Control Ball Option "C" List Pricing Adder
C
C Discount applies for manual or actuated valve with characterized ball

| Size linch) | PVC list price | CPVC* list price | PP list price | PVDF list price |
| :--- | :---: | :---: | :---: | :---: |
| $3 / 8$ | N/A | N/A | N/A | N/A |
| $1 / 2$ | 78.90 | 84.30 | 80.00 | 84.30 |
| $3 / 4^{* *}$ | 86.00 | 117.00 | 87.00 | 117.00 |
| 1 | 86.00 | 117.00 | 87.00 | 117.00 |
| $11 / 4$ | N/A | N/A | N/A | N/A |
| $11 / 2^{* *}$ | 107.00 | Contact Factory | 110.00 | Contact Factory |
| $\mathbf{2}$ | 107.00 | Contact Factory | 110.00 | Contact Factory |

The following chart is the list pricing for the characterized ball only

| Size (inch) | PVC | List Price | PP | List Price | PVDF | List Price |
| :--- | :--- | :--- | :--- | :--- | :--- | :---: |
| $1 / 2$ | 161491032 | 78.90 | 167483419 | 78.90 | 175483379 | 84.30 |
| 1 and $3 / 4$ | 161491034 | 83.70 | 167483421 | 83.70 | 175483381 | 114.10 |
| 2 and $11 / 2$ | 161491037 | 107.00 | 167483424 | 107.00 | 175483384 | 260.50 |

## Notes:

* CPVC valve uses PVDF Ball
** $3 / 4$ " and $11 / 2^{\prime \prime}$ are reduced from next largest size in the same way as the Type 110.
- Control Ball Option <C> available in both manual and actuated valves.
(See actuated valves and accessories pricing to build complete price.)
- When specifying on a Type 107 electric actuator, only 90 deg on/off available.
- When specifying on Types 131-133 using EA 21, the PE 25 positioner is also required and sold as a factory assembly See EA21 Accessories for complete details.


## Type 546 Control Ball Option



## Flow Diagram



Product Features

- All-plastic valve
- Dimension range $1 / 2{ }^{1 "}-2$ "
- Large selection of materials: PVC, CPVC, PP, PVDF
- Linear flow characteristics
- High Cv value
- Manual and actuated versions
- Simple design
- George Fischer product quality

For other differential pressures:
Qgpm $=C v \sqrt{\Delta p}$
$\mathrm{CV}=$ Gallons per minute at 1 psi pressure drop

3/4" (25 mm) valves are 1" (32 mm) valves with specialized end connectors.
$11 / 22^{\prime \prime}(50 \mathrm{~mm})$ valves are $2^{\prime \prime}(63 \mathrm{~mm})$ valves with specialized end connectors.

Cv values for different control angles at $\Delta \mathrm{p}=1 \mathrm{psi}$

| Set values |  |  |  | Flow |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Angle |  | $\begin{array}{\|l\|} \hline \text { Voltage (V) } \\ 0-10 \mathrm{~V} \\ \hline \end{array}$ | $\begin{aligned} & \text { Current (mA) } \\ & 4-20 \mathrm{~mA} \end{aligned}$ | $1 / 2{ }^{1}$ |  | 3/4" |  | $1{ }^{\prime \prime}$ |  | 11/2" |  | 2 " |  |
| $\left({ }^{\circ}\right)$ | \% |  |  | (gpm) | $\%$ of Cv | (gpm) | \% of Cv | (gpm) | \% of Cv | (gpm) | \% of Cv | (gpm) | \% of Cv |
| 0 | 0 | 0 | 4.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 | 10 | 1 | 5.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 | 20 | 2 | 7.2 | 0 | 0 | 0 | 0 | 0 | 0 | 1.1 | 2 | 1.5 | 3 |
| 27 | 30 | 3 | 8.8 | 0 | 0 | 0 | 0 | 0.3 | 2 | 7.4 | 14 | 7.8 | 15 |
| 36 | 40 | 4 | 10.4 | 0.3 | 5 | 2.2 | 14 | 2.5 | 16 | 13.8 | 27 | 14.0 | 27 |
| 45 | 50 | 5 | 12.0 | 1.3 | 20 | 4.6 | 28 | 4.6 | 30 | 20.1 | 39 | 20.2 | 39 |
| 54 | 60 | 6 | 13.6 | 2.2 | 36 | 6.9 | 43 | 6.7 | 44 | 26.5 | 51 | 26.5 | 51 |
| 63 | 70 | 7 | 15.2 | 3.2 | 52 | 9.2 | 57 | 8.9 | 58 | 32.8 | 63 | 32.8 | 64 |
| 72 | 80 | 8 | 16.8 | 4.1 | 68 | 11.5 | 71 | 11.1 | 72 | 39.1 | 76 | 39.0 | 76 |
| 81 | 90 | 9 | 18.4 | 5.0 | 84 | 13.8 | 86 | 13.2 | 86 | 45.5 | 88 | 45.2 | 88 |
| 90 | 100 | 10 | 20.0 | 6.0=Cv | 100 | $16.1=\mathrm{CV}$ | 100 | $15.4=\mathrm{CV}$ | 100 | 51.9=Cv | 100 | 51.5=Cv | 100 |

