



797ZH9

## TBH Series Industrial True Union PVC and CPVC Ball Valves

- Max. pressure: 250 psi CWP (1/4" to 2"), 235 psi CWP (2 1/2" to 4")

Ideal for corrosive industrial applications, these full-port valves have blowout-proof stems and reversible PTFE seats to ease valve repair. The double O-ring stem seal can provide up to twice the leakage protection of models with only a single stem seal.

| Pipe Size              | PVC           |              | CPVC          |              | Pipe Size              | PVC           |              | CPVC          |              |
|------------------------|---------------|--------------|---------------|--------------|------------------------|---------------|--------------|---------------|--------------|
|                        | EPDM Item No. | FPM Item No. | EPDM Item No. | FPM Item No. |                        | EPDM Item No. | FPM Item No. | EPDM Item No. | FPM Item No. |
| <b>Flanged</b>         |               |              |               |              | <b>Socket x Thread</b> |               |              |               |              |
| 1/2 in                 | 466H60        | 466H48       | 466H84        | 466H72       | 1/2 in                 | 466H59        | 466H47       | 466H83        | 466H71       |
| 3/4 in                 | 466H62        | 466H50       | 466H86        | 466H74       | 3/4 in                 | 466H61        | 466H49       | 466H85        | 466H73       |
| 1 in                   | 466H64        | 466H52       | 466H88        | 466H76       | 1 in                   | 466H63        | 466H51       | 466H87        | 466H75       |
| 1 1/4 in               | 466H66        | 466H54       | 466H90        | 466H78       | 1 1/4 in               | 466H65        | 466H53       | 466H89        | 466H77       |
| 1 1/2 in               | 466H68        | 466H56       | 466H92        | 466H80       | 1 1/2 in               | 466H67        | 466H55       | 466H91        | 466H79       |
| 2 in                   | 466H70        | 466H58       | 466H94        | 466H82       | 2 in                   | 466H69        | 466H57       | 466H93        | 466H81       |
| <b>Socket x Socket</b> |               |              |               |              | <b>Thread x Thread</b> |               |              |               |              |
| 1/4 in                 | —             | 466H43       | —             | —            | 1/4 in                 | —             | 466H44       | —             | —            |
| 3/8 in                 | —             | 466H45       | —             | —            | 3/8 in                 | 797ZH3        | 466H46       | —             | —            |
| 2 1/2 in               | 797ZH8        | 797ZK1       | 797ZJ4        | —            | 2 1/2 in               | 797ZH5        | —            | —             | —            |
| 3 in                   | 797ZH9        | 797ZK2       | 797ZJ5        | 797ZK8       | 3 in                   | 797ZH6        | 797ZJ9       | —             | —            |
| 4 in                   | 797ZJ0        | 797ZK3       | 797ZJ6        | 797ZK9       | 4 in                   | 797ZH7        | 797ZK0       | 797ZJ3        | —            |

**+GF+**

## Type 375 True Union PVC and CPVC Ball Valves

- Max. pressure: 232 psi at 73°F

2-way full-port valves permit radial installation and can be used with Schedule 80 fittings and pipe. For use in chemical industry, swimming pool, aquarium, wastewater, and other corrosive applications. NSF 61 Approved.

1CMC3



| Pipe Size | Connec. Type              | Body Material       |                    |                     |                    |
|-----------|---------------------------|---------------------|--------------------|---------------------|--------------------|
|           |                           | PVC                 |                    | CPVC                |                    |
|           |                           | EPDM Seals Item No. | FPM Seals Item No. | EPDM Seals Item No. | FPM Seals Item No. |
| 1/2 in    | Socket/FNPT x Socket/FNPT | 1CMC3               | 6NC66              | 1CMD2               | 1VHA6              |
| 3/4 in    |                           | 1CMC4               | 1VGZ8              | 1CMD3               | 1VHA8              |
| 1 in      |                           | 1CMC5               | 6NC68              | 1CMD4               | 1VHB1              |
| 1 1/4 in  |                           | 1CMC6               | 6NC69              | 1CMD5               | 1VHB3              |
| 1 1/2 in  |                           | 1CMC7               | 6NC70              | 1CMD6               | 1VHB5              |
| 2 in      |                           | 1CMC8               | 6NC71              | 1CMD7               | 1VHB7              |
| 3 in      | Socket x Socket           | 1CMC9               | —                  | —                   | —                  |
| 4 in      |                           | 1CMD1               | —                  | —                   | —                  |

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## Type 546 True Union Ball Valves

- Max. pressure: 232 psi at 73°F

2-way full-port valves can be radial installed and feature a breakaway stem. Can be used with Schedule 80 pipe and fittings. Valves can be actuated, and handle has a molded-in wrench for access to valve components. With chemical-resistant EPDM or FPM seals. Union connections. For use in the chemical industry and in swimming pool, aquarium, wastewater, and other corrosive applications. Polypropylene meet ASTM D 4101; PVC and CPVC meet ASTM 1970-01, ASTM D1784, USP Class VI, FDA, NSF 61.

2KE46



| Pipe Size                      | Polypropylene Item No. | Pipe Size                     | Polypropylene Item No. | Pipe Size                                    | PVC Item No. | CPVC Item No. |
|--------------------------------|------------------------|-------------------------------|------------------------|----------------------------------------------|--------------|---------------|
|                                |                        |                               |                        |                                              |              |               |
| <b>FNPT x FNPT, EPDM Seals</b> |                        | <b>FNPT x FNPT, FPM Seals</b> |                        | <b>Socket/FNPT x Socket/FNPT, EPDM Seals</b> |              |               |
| 1/2 in                         | 1CLV6                  | 1/2 in                        | 1CLV6                  | 1/2 in                                       | 2KE46        | 3TNR3         |
| 3/4 in                         | 1CLV7                  | 3/4 in                        | 1CLV7                  | 3/4 in                                       | —            | 3TNR4         |
| 1 in                           | 1CLV8                  | 1 in                          | 1CLV8                  | 1 1/4 in                                     | 2KE50        | 3TNR5         |
| 1 1/2 in                       | 1CLV3                  | 1 1/2 in                      | 1CLV2                  | 2 in                                         | 2KE51        | 3TNR6         |
| 2 in                           | 1CLV4                  | 2 in                          | 1CLW2                  | 1/2 in                                       | 2KE47        | 2KE52         |
|                                |                        |                               |                        | 3/4 in                                       | 2KE48        | 2KE53         |
|                                |                        |                               |                        | 1 in                                         | 2KE49        | 2KE54         |



## True Union PVC and CPVC Ball Valves with Locking Handle

- Max. pressure: 235 psi at 73°F
- Temp. range: 73° to 140°F

Compact, 1/4-turn shutoff valves are for industrial and chemical processing applications. Full-port style with PTFE seats and locking polypropylene handles. ASTM F 1970 and NSF Approved.



3ELZ1

| Pipe Size                        | PVC                 |                    | CPVC                |                    |
|----------------------------------|---------------------|--------------------|---------------------|--------------------|
|                                  | EPDM Seals Item No. | FPM Seals Item No. | EPDM Seals Item No. | FPM Seals Item No. |
| <b>Socket/FNPT x Socket/FNPT</b> |                     |                    |                     |                    |
| 1/2 in                           | 3ELZ1               | 3EMA2              |                     |                    |
| 3/4 in                           | 3ELZ2               | 3EMA3              |                     |                    |
| 1 in                             | 3ELZ3               | 3EMA4              |                     |                    |
| 1 1/4 in                         | 3ELZ4               | —                  |                     |                    |
| 1 1/2 in                         | 3ELZ5               | 3EMA6              |                     |                    |
| 2 in                             | 3ELZ6               | 3EMA7              |                     |                    |
| <b>Socket x Socket</b>           |                     |                    |                     |                    |
| 3 in                             | 3ELZ7               | 3EMA8              |                     |                    |
| 4 in                             | 3ELZ8               | —                  |                     |                    |

## Kynar Ball Check Valves

- Max. temp.: 180°F
- Max. water pressure: 150 psi @ 73°F
- Seal & seat material: FKM

| Pipe or Tube Size | Flow   | Connec. Type | Item No. |
|-------------------|--------|--------------|----------|
| 1/2 in            | 5 gpm  | FNPT         | 1CRT7    |
| 1/2 in            | 5 gpm  | Slip Socket  | 1CRT1    |
| 3/4 in            | 10 gpm | FNPT         | 1CRT8    |
| 3/4 in            | 10 gpm | Slip Socket  | 1CRT2    |
| 1 in              | 19 gpm | FNPT         | 1CRT9    |
| 1 in              | 19 gpm | Slip Socket  | 1CRT3    |



1CRT7



## TBH-Z Series Industrial True Union PVC and CPVC Z-Ball Valves

Ideal for sodium hypochlorite service, these valves feature a drilled ball for venting gases and keep inner valve surfaces wetted. Black handle acts as an identifier. FPM seals only with PTFE seats and double O-ring stem seal. 466J56 to 466J79 feature a lock-out/tag-out plate that can accommodate up to 4 locks. All models meet NSF and ASTM, except 466J56 to 466J79 meet NSF/ANSI 61.



797ZL0

| Pipe Size                                        | PVC                                 |                                     | Item No. | CPVC                                |                                     | Item No. |
|--------------------------------------------------|-------------------------------------|-------------------------------------|----------|-------------------------------------|-------------------------------------|----------|
|                                                  | Temp. Range (°F)                    | Temp. Range (°F)                    |          | Temp. Range (°F)                    | Temp. Range (°F)                    |          |
| <b>Flanged, Max. Press.: 250 psi CWP</b>         |                                     |                                     |          |                                     |                                     |          |
| 1/2 in                                           | 0 - 140                             | 0 - 160                             | 466J57   | 0 - 160                             | 0 - 160                             | 466J69   |
| 3/4 in                                           | 0 - 140                             | 0 - 160                             | 466J59   | 0 - 160                             | 0 - 160                             | 466J71   |
| 1 in                                             | 0 - 140                             | 0 - 160                             | 466J61   | 0 - 160                             | 0 - 160                             | 466J73   |
| 1 1/4 in                                         | 0 - 140                             | 0 - 160                             | 466J63   | 0 - 160                             | 0 - 160                             | 466J75   |
| 1 1/2 in                                         | 0 - 140                             | 0 - 160                             | 466J65   | 0 - 160                             | 0 - 160                             | 466J77   |
| 2 in                                             | 0 - 140                             | 0 - 160                             | 466J67   | 0 - 160                             | 0 - 160                             | 466J79   |
| <b>Socket x Socket, Max. Press.: 235 psi</b>     |                                     |                                     |          |                                     |                                     |          |
| 2 1/2 in                                         | 235 PSI @ 70 16 Bar @ 21C Non-Shock | 235 PSI @ 70 16 Bar @ 21C Non-Shock | 797ZL0   | 235 PSI @ 70 16 Bar @ 21C Non-Shock | 235 PSI @ 70 16 Bar @ 21C Non-Shock | 797ZL6   |
| 3 in                                             | 235 PSI @ 70 16 Bar @ 21C Non-Shock | 235 PSI @ 70 16 Bar @ 21C Non-Shock | 797ZL2   | 235 PSI @ 70 16 Bar @ 21C Non-Shock | 235 PSI @ 70 16 Bar @ 21C Non-Shock | 797ZL7   |
| 4 in                                             | 235 PSI @ 70 16 Bar @ 21C Non-Shock | 235 PSI @ 70 16 Bar @ 21C Non-Shock | 797ZL4   | 235 PSI @ 70 16 Bar @ 21C Non-Shock | 235 PSI @ 70 16 Bar @ 21C Non-Shock | 797ZL9   |
| <b>Socket x Thread, Max. Press.: 250 psi CWP</b> |                                     |                                     |          |                                     |                                     |          |
| 1/2 in                                           | 0 - 140                             | 0 - 160                             | 466J56   | 0 - 160                             | 0 - 160                             | 466J68   |
| 3/4 in                                           | 0 - 140                             | 0 - 160                             | 466J58   | 0 - 160                             | 0 - 160                             | 466J70   |
| 1 in                                             | 0 - 140                             | 0 - 160                             | 466J60   | 0 - 160                             | 0 - 160                             | 466J72   |
| 1 1/4 in                                         | 0 - 140                             | 0 - 160                             | 466J62   | 0 - 160                             | 0 - 160                             | 466J74   |
| 1 1/2 in                                         | 0 - 140                             | 0 - 160                             | 466J64   | 0 - 160                             | 0 - 160                             | 466J76   |
| 2 in                                             | 0 - 140                             | 0 - 160                             | 466J66   | 0 - 160                             | 0 - 160                             | 466J78   |