

## Tee-Style "Zero Dead-Leg" Diaphragm Valves



Valves are produced to order in Diaphragm Valve sizes 1/2" - 2" and virtually any user specified Mainline Socket Tee size available. Tee-Style Valve material options include PVC, CPVC, or Low Extractable PVC.

Valve End Connection options include Spigot, Socket & Thread, or patented Special Reinforced (SR) Female Plastic Thread.

Diaphragm Options include EPDM, FKM, PTFE with bonded EPDM backing, or PTFE with bonded FKM backing.

Pressure Rating @ 73°F (23°C), Water  
Valve Sizes 1/2" - 2" (20mm - 63mm)  
235 psi with Elastomer Diaphragms  
150 psi with PTFE Diaphragms

Maximum Service Temperature  
PVC = 140°F (60°C)  
CPVC = 200°F (93°C)  
Temperature/Pressure De-ratings Apply

## CONTACT SPEARS® FOR SELECTION ASSISTANCE &amp; MSRP

## Quick View Selection Chart

The following Base Part Numbers must be completed according to desired configuration size. Contact Spears® for the appropriate Tee size x Valve size code designations to replace the "xxx" in each.

| Diaphragm Material | PVC Base Part Number |                   |                | Pressure Rating @ 73°F (23°C) |
|--------------------|----------------------|-------------------|----------------|-------------------------------|
|                    | Spigot               | Socket & Threaded | SR Threaded    |                               |
| EPDM               | 2727ZD-xxx           | 2729ZD-xxx        | 2721ZD-xxxSR   | 1/2" - 2" 235 psi             |
| FKM                | 2737ZD-xxx           | 2739ZD-xxx        | 2731ZD-xxxSR   |                               |
| PTFE, EPDM Backing | 2797TZD-xxx          | 2729TZD-xxx       | 2721TZD-xxxSR  | 1/2" - 2" 150 psi             |
| PTFE FKM Backing   | 2797VTZD-xxx         | 2739VTZD-xxx      | 2731VTZD-xxxSR |                               |

| Diaphragm Material | CPVC Base Part Number |                   |                 | Pressure Rating @ 73°F (23°C) |
|--------------------|-----------------------|-------------------|-----------------|-------------------------------|
|                    | Spigot                | Socket & Threaded | SR Threaded     |                               |
| EPDM               | 2727ZD-xxxC           | 2729ZD-xxxC       | 2721ZD-xxxCSR   | 1/2" - 2" 235 psi             |
| FKM                | 2737ZD-xxxC           | 2739ZD-xxxC       | 2731ZD-xxxCSR   |                               |
| PTFE, EPDM Backing | 2797TZD-xxxC          | 2729TZD-xxxC      | 2721TZD-xxxCSR  | 1/2" - 2" 150 psi             |
| PTFE FKM Backing   | 2797VTZD-xxxC         | 2739VTZD-xxxC     | 2731VTZD-xxxCSR |                               |

| Diaphragm Material | Low Extractable PVC Base Part Number |                   |                  | Pressure Rating @ 73°F (23°C) |
|--------------------|--------------------------------------|-------------------|------------------|-------------------------------|
|                    | Spigot                               | Socket & Threaded | SR Threaded      |                               |
| EPDM               | 2727ZD-xxxBL                         | 2729ZD-xxxBL      | 2721ZD-xxxSRBL   | 1/2" - 2" 235 psi             |
| FKM                | 2737ZD-xxxBL                         | 2739ZD-xxxBL      | 2731ZD-xxxSRBL   |                               |
| PTFE, EPDM Backing | 2797TZD-xxxBL                        | 2729TZD-xxxBL     | 2721TZD-xxxSRBL  | 1/2" - 2" 150 psi             |
| PTFE FKM Backing   | 2797VTZD-xxxBL                       | 2739VTZD-xxxBL    | 2731VTZD-xxxSRBL |                               |

**Note:** Low Extractable PVC Valves are typically used with elastomer backed PTFE Diaphragms to maintain purity in most applications. Tee-Style Zero Dead-Leg Diaphragm Valves are a non-stock configuration. All orders are non-cancelable, non-returnable.