

**Submittal**

Job Name \_\_\_\_\_ Contractor \_\_\_\_\_  
 Job Location \_\_\_\_\_ Approval \_\_\_\_\_  
 Engineer \_\_\_\_\_ Contractor's P.O.. No. \_\_\_\_\_  
 Approval \_\_\_\_\_ Representative \_\_\_\_\_

# High Purity Polyvinylidene Fluoride (PVDF) Socket Fusion

## Pipe:

### Orion PVDF Pipe

Pipe will be manufactured to Schedule 80 iron pipe dimensions from virgin, unpigmented PVDF resin, meeting ASTM D3222, using no plasticizers or pigments. Pipe will be furnished in 10' lengths, grooved and capped. Pipe will meet all dimensional tolerances of ASTM D2447.

## Fittings:

### Orion PVDF Fittings

Fittings will be manufactured to Schedule 80 wall thickness from virgin unpigmented PVDF (polyvinylidene fluoride) resin meeting ASTM D3222. Fittings are to be joined by using the socket fusion method, conforming to ASTM 2657. Each fittings will be individually packaged and sealed.

## Ball Valves:

### Orion PVDF Ball Valves

Ball valves will be manufactured from virgin unpigmented PVDF (polyvinylidene fluoride) to be fully compatible with the Orion high purity PVDF system. All valves test to 150 psi @ 73° F. Each ball valve will be individually bagged.

## Ball Check Valves:

### Orion PVDF Ball Check Valves

Ball check valves will be manufactured from virgin PVDF (polyvinylidene fluoride) to be fully compatible with the Orion high purity PVDF system. All valves will test to 150 psi @ 73° F. Each valve will be individually bagged.

## Diaphragm Valves:

### Orion PVDF Diaphragm Valves

Orion diaphragm valves will be manufactured from virgin unpigmented PVDF resin meeting ASTM D3222 to be fully compatible with Diaphragm valves will be manufactured from virgin unpigmented PVDF (polyvinylidene fluoride) resin meeting ASTM D3222 to be fully compatible with the Orion high purity PVDF system. All diaphragm valves shall test to 150 psi at 73° F. All valves shall be individually bagged.

Watts product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Watts Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts products previously or subsequently sold.



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