

## TECHNICAL DATA & INSTALLATION

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### Technical Data

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**NDS requires that the local and state plumbing codes be reviewed and understood prior to installing any of Flo Control's products. These codes will provide proper installation procedures.**

**1. PVC Material Specification PVC Type I**, Grade I, Cell Class 12454-B meeting requirements of ASTM D-1784-03 is used in the manufacturing of all fittings recommended for use of potable cold water (see chart C for temperature vs. pressure on page 147). Not recommended for use on systems exceeding 100 psi at 120 degrees F.

**2. PVC Material Specification PVC Type II**, Cell Class NSF14333 of ASTM D-1784 is used in manufacturing of fittings that require more chemical, heat, and impact resistance than PVC I.

**3. CPVC Material Specification CPVC Type IV**, Grade I, Cell Class 23447-B meeting requirements of ASTM D-1784-03 is used in the manufacturing of all fittings recommended for use on potable Hot Water Systems in accordance with ASTM D-2846-73. Not recommended for use on systems that will exceed 100 psi at 180 degrees F.

**4. Buna-N Seals** are in accordance with ASTM D-2000. It is generally resistant to many hydrocarbons, fats, oils, greases, hydraulic fluids and chemicals. It is generally attacked by Ozone, Ketones, Esters, Aldehydes, chlorinated and nitro hydrocarbons. Reference chemical resistance under NBR (Nitrile) Elastomers for specific listings.

**5. EPDM O-Rings** This o-ring material is made of high-quality EPDM (Ethylene Propylene Copolymer) which is in accordance with ASTM D-2000. EPDM has exceptionally good weather aging and ozone resistance, excellent water and chemical resistance, and excellent aging resistance for most applications. EPDM is a polymer where oil and solvent resistance is poor. However, it is fairly good in ketones and alcohols. Reference chemical resistance under EPDM, EPT, or EPR Elastomers for specific listings.

**6. Viton O-Rings** This o-ring material exhibits a broad range of chemical resistance: petroleum oils, silicone, grease, etc. We recommend you refer to a chemical resistance chart for specific applications. Maximum recommended service temperature is 400° F. Viton is a registered trademark of DuPont.

**7. Double Seal** of standard compression fitting. A compressive action is created as the cap is tightened squeezing the Buna-N seals into the tapered recessed areas of the cap and body. This process creates a highly concentrated pressure at the two "double seal" points, thus providing positive protection against leakage. (See Figure A on page 148)

**8. Acme Thread** General purpose 10 pitch and 5 pitch Acme thread on Compression Cap section eliminates the possibility of cross-threading. This smooth running design prevents binding or galling as is often experienced in standard tapered threads.

**9. Springs** Series 300 Stainless Steel.

## FLO-LOCK™

### Tube Size SDR-9 CTS Couplings & Adapters – Series 700 *(Rated @ 200 PSI Static Pressure @*

**PVC Couplings**


Part No.	Tube Size	Connection	Length Inches	Color	Pkg. Qty.	Case (lbs.)	Product Class	Specifications
<b>PVC Couplings</b>								
710-07	3/4"	3/4" x 3/4" TS	4"	White	35	9.8	41FL	For use on Polyethylene Tube Size SDR-9 ASTM D-2737 PVC NSF/ANSI 61+372 UPC
710-10	1"	1" x 1" TS	4-1/2"	White	24	9.4	41FL	
710-17	3/4" x 1"	1" SDR-9 x 3/4" SDR-11	4"	White	36	11.8	41FL	
710-12	1-1/4"	1-1/4" x 1-1/4" TS	5"	White	15	8.5	41FL	
710-15†	1-1/2"	1-1/2" x 1-1/4" TS	6"	White	16	13.0	41FL	
710-20†	2"	2" x 2" TS	7-1/2"	White	12	15.9	41FL	
710-17-9	3/4" x 1"	1" SDR-9 x 3/4" SDR 9	4"	White	36	11.8	41FL	

**Male Adapter**


<b>Male Adapter</b>								
730-07	3/4"	3/4" MPT x 3/4" TS	2-5/8"	White	25	4.75	41FL	For use on Polyethylene Tube Size SDR-9 ASTM D-2737 PVC UPC except 730-12-10 NSF/ANSI 61+372
730-71	3/4" x 1"	3/4" MPT x 1" TS	2-7/8"	White	18	4.6	41FL	
730-10	1"	1" MPT x 1" TS	2-7/8"	White	18	4.6	41FL	
730-12-10	1" x 1-1/4"	1" MPT x 1-1/4" TS	3-1/2"	White	12	4.6	41FL	
730-12	1-1/4"	1-1/4" MPT x 1-1/4" TS	3-1/2"	White	12	4.6	41FL	
730-15	1-1/2"	1-1/2" MPT x 1-1/2" TS	3-1/2"	White	18	9.1	41FL	
730-20†	2"	2" MPT x 2" TS	4"	White	12	8.8	41FL	

**Female Adapter**


<b>Female Adapter</b>								
731-07	3/4"	3/4" FPT x 3/4" TS	2-5/8"	White	25	6.0	41FL	For use on Polyethylene Tube Size SDR-9 ASTM D-2737 PVC NSF/ANSI 61+372
731-71	3/4" x 1"	3/4" FPT x 1" TS	2-7/8"	White	15	4.0	41FL	
731-10	1"	1" FPT x 1" TS	3"	White	15	4.8	41FL	
731-12	1-1/4"	1-1/4" FPT x 1-1/4" TS	3-1/2"	White	12	5.2	41FL	
731-12-10	1" x 1-1/4"	1" FPT x 1-1/4" TS	3-1/2"	White	12	5.2	41FL	
731-15	1-1/2"	1-1/2" FPT x 1-1/2" TS	3-1/2"	White	18	10.0	41FL	
731-20†	2"	2" FPT x 2" TS	3-3/4"	White	12	8.2	41FL	

**Spigot Adapter**


<b>Spigot Adapter</b>								
733-07	3/4"	3/4" IPS Spg x 3/4" TS	2-7/8"	White	18	3.7	41FL	For use on Polyethylene Tube Size SDR-9 ASTM D-2737 PVC NSF/ANSI 61+372 UPC
733-71	3/4"	3/4" IPS Spg x 1" TS	2-7/8"	White	18	4.0	41FL	
733-10	1"	1" IPS Spg x 1" TS	3-1/2"	White	18	4.6	41FL	
733-12	1-1/4"	1-1/4" IPS Spg x 1-1/4" TS	3-1/2"	White	12	5.2	41FL	
733-15	1-1/2"	1-1/2" IPS Spg x 1-1/2" TS	3-1/2"	White	18	9.1	41FL	
733-20†	2"	2" IPS Spg x 2" TS	4"	White	12	7.6	41FL	

† Insert stiffener supplied must be used with this fitting.