



**CITY OF AUSTIN
STANDARD PRODUCTS LIST**

for
FLANGE x FLANGE REDUCING SPOOLS AND COMPANION FLANGES

USING DEPARTMENT: Austin Water **PREPARED BY:** Jeff A. Kyle, P.E. **ISSUED:** 01/01/23
REVISED BY: Jeff A. Kyle, P.E. **REVISED:** 04/01/23

DESCRIPTION: Flanged Reducing Spools, fabricated from carbon steel for use in combination air valve (CAV) assemblies shall comply with the following:

1. Minimum pressure rating of 200 psi
2. Pipe or tubing material shall meet one of the following standards:
 - a) AWWA C200
 - b) ASTM A36
 - c) ASTM A53 Grade B
 - d) ASTM A513
 - e) ASTM A516 Grade 70
3. Flange material shall meet one of the following standards:
 - a) AWWA C207 Class E, ANSI 150 lb. drilling
 - b) ASME B16.47 Class 150 Series A
 - c) ASME B16.5 Class 150
4. All surfaces shall be fusion-bonded epoxy coated (12 mil min thickness) per AWWA C213

LISTING DATE	MANUFACTURER	PRODUCT IDENTIFICATION/COMMENT	APPROVAL	
01/01/23	JCM INDUSTRIES, INC. 200 Old Boston Road Nash, TX 75569	<u>Reducing Spools</u> 832-8x4x9 E 832-12x4x9 E 832-16x4x9 E 832-24x4x9 E 832-24x6x9 E	<u>Threaded Companion Flanges</u> 834-4x2 FNPT E 834-4x3 FNPT E 834-6x2 FNPT E 834-6x3 FNPT E 834-4x2 MNPT E 834-4x3 MNPT E 834-6x2 MNPT E 834-6x3 MNPT E	J. Kyle
01/01/23	SMITH-BLAIR, INC. 30 Globe Ave. Texarkana, AR 71854	<u>Reducing Spools</u> 8x4x9 Class E 12x4x9 Class E 16x4x9 Class E 24x4x9 Class E 24x6x9 Class E	<u>Threaded Companion Flanges</u> 4" x 2" FNPT Class E Reducing Flange 4" x 3" FNPT Class E Reducing Flange 6" x 2" FNPT Class E Reducing Flange 6" x 3" FNPT Class E Reducing Flange 4" x 2" MNPT Class E Reducing Flange 4" x 3" MNPT Class E Reducing Flange 6" x 2" MNPT Class E Reducing Flange 6" x 3" MNPT Class E Reducing Flange	J. Kyle

NOTES:

1. Sizes (inlet x outlet) shall be: 8"x4", 12"x4", 16"x4", 24"x4", and 24"x6".
2. Overall height flange face to flange face shall be 9".
3. Inlet flanges 16-inches and larger shall be provided with two (2) lift handles.
4. Nuts, bolts, and washers used with these devices shall be HSLA steel having a fluoropolymer finish.
5. Flat faced flanges shall be used. Raised face flanges are prohibited.
6. Threaded Companion Flanges are used to accommodate threaded CAV inlets and are not needed for a flanged CAV connection.

LATEST REVISIONS (Since 01/01/23) :

1. Changed terminology from "Combination Air Release Valves (CARVs)" to "Combination Air Valves (CAVs)"