



ULTRA-SPOOL STYLE 1201FA EXPANSION JOINT

CONSTRUCTION MATERIALS:
TUBE ELASTOMER: SEE LIST
COVER ELASTOMER: SEE LIST
REINFORCING: POLYESTER & STEEL
FLANGES: INTERGRAL DUCK AND RUBBER CLASS 150 FLANGE

ELASTOMER STYLE

- BB-BUTYL TUBE, BUTYL COVER**
250° F. MAX. OPER. TEMP. (300° BLOWER SERVICE)
- NP-NITRILE TUBE, NEOPRENE COVER**
212° F. MAX. OPER. TEMP.
- NN-NEOPRENE TUBE, NEOPRENE COVER**
225° F. MAX. OPER. TEMP.
- EE-EPDM TUBE, EPDM COVER**
250° F. MAX. OPER. TEMP. (300° BLOWER SERVICE)

RETAINING RINGS MAT'L: _____

CONTROL UNITS MAT'L: _____

VACUUM RATING: 30 INHG THU 8";
26 INHG 10" & 12"
15 INHG 14" AND LARGER

QTY	NOMINAL PIPE SIZE (IN)	FACE TO FACE (IN)	EFFECTIVE AREA (IN)	NO. OF HOLES	HOLE SIZE (IN)	AXIAL COMP. (IN)	AXIAL ELONG. (IN)	LATERAL OFFSET (IN)	ANGULAR MOVEMENT (DEG)	WORKING PRESSURE @70°F (PSI)	APROX. WEIGHT (LBS)
	1-1/2	6	7.4	4	.625	.875	.375	.375	7.5	225	6
	2	6	12.4	4	.750	.875	.375	.375	7.5	225	8
	2-1/2	6	15.7	4	.750	.875	.375	.375	7.5	225	10
	3	6	19.4	4	.750	.875	.375	.375	7.5	225	11.5
	4	6	27.9	8	.750	.875	.375	.375	7.5	225	15.5
	5	6	38.1	8	.875	.875	.375	.375	7.5	225	17
	6	6	49.9	8	.875	.875	.375	.5	6.5	225	20
	8	6	78	8	.875	.875	.375	.5	5	225	27
	10	8	120	12	1.00	.875	.375	.5	4.55	225	29
	12	8	162	12	1.00	.875	.375	.5	3.8	225	56
	14	8	210	12	1.125	.875	.375	.5	3.25	220	65
	16	8	265	16	1.125	.875	.375	.5	2.85	160	74
	18	8	326	16	1.250	.875	.375	.5	2.55	160	85
	20	8	393	20	1.250	.875	.375	.5	2.8	130	102
	24	10	562	20	1.375	.875	.5	.5	2.4	130	125
	26	10	649	24	1.375	.875	.5	.5	2.2	110	150
	28	10	743	28	1.375	.875	.5	.5	2.05	110	157
	30	10	842	28	1.375	.875	.5	.5	1.9	95	175
	36	10	1179	32	1.625	1.125	.5	.5	1.5	90	242
	42	12	1628	36	1.625	1.125	.5	.5	1.5	90	303

NOTES: 1. CONTROL UNITS ARE TWO ROD SETS UNLESS OTHERWISE STATED. 2. ADDITIONAL CONTROL UNITS MAY BE REQUIRED TO MEET THE LISTED WORKING PRESSURES. 3. LATERAL ALIGNMENT, AXIAL ALIGNMENT, ANGULAR ALIGNMENT AND TORSIONAL ALIGNMENT SHALL NOT EXCEED +/- 1/8". 4. INDICATED MOVEMENTS ARE NOT CONCURRENT.

SEALING INFORMATION: WHEN INSTALLING RUBBER EXPANSION JOINTS, IT IS THE RESPONSIBILITY OF THE INSTALLER TO ENSURE BOLTING FORCES ARE EVENLY DISTRIBUTED TO PROVIDE OPTIMUM CLAMPING FORCE TO PREVENT THE CONNECTION FROM LEAKING. WHEN THE EXPANSION JOINT IS BEING INSTALLED IN NON-FERROUS PIPING SYSTEMS, SUCH AS PVC, REINFORCEMENT OF THE MATING FLANGES MAY BE REQUIRED TO INCREASE THE MATING FLANGE RIGIDITY. UNISOURCE RECOMMENDS THE USE OF RING GASKETS OR FULL FACE GASKETS WHEN A RUBBER EXPANSION JOINT IS BEING INSTALLED AGAINST A RAISED FACE FLANGE. THE USE OF RING GASKETS OR FULL FACE GASKETS MAY BE REQUIRED WHEN INSTALLING PTFE LINED EXPANSION JOINTS. IF YOU SHOULD HAVE ANY QUESTIONS PERTAINING TO THE INSTALLATION, PLEASE CALL UNISOURCE OR REFER TO THE FLUID SEALING ASSOCIATION TECHNICAL HANDBOOK FOR NON-METALLIC EXPANSION JOINTS.

CUSTOMER: _____
 PROJECT: _____
 ENGINEER: _____

0	RELEASED	05/16	BC
REV	DESCRIPTION	DATE	APPROVED
REVISION HISTORY			
8040 N.E. 33rd Dr Portland, OR 97211 Ph: 503.281.4673, Fax 503.281.5845			
UNISOURCE 1201FA RUBBER FILLED EXPANSION JOINT			
DRAWN BY:	SG	DATE:	05/05/16
DWG NO:	1201FA JOINT.idw		SCALE:
			NONE