

BPE TUBE PART NUMBER MATRIX

TV	-	XX	-	XXXX	X	-	XX	-	XX
<u>PROCESS CODE</u>		<u>ALLOY CODE</u>		<u>SIZE CODE</u>		<u>WALL CODE</u>		<u>LENGTH CODE</u>	
TV = PER SP-9225 (BPE)		0S = 316L SEAMLESS		0250 = .25" DIAMETER		B = .035" WALL		4M = 4 METER	
		0W = 316L WELDED		0375 = .375" DIAMETER		D = .049" WALL		6M = 6 METER	
		2S = 304L SEAMLESS		0500 = .5" DIAMETER		F = .065" WALL			
		2W = 304L WELDED		0750 = .75" DIAMETER		G = .083" WALL			
		HS = UNS N06022 Alloy		1000 = 1" DIAMETER		J = .109" WALL			
		H7 = UNS N10276 Alloy		1500 = 1.5" DIAMETER					
				2000 = 2" DIAMETER					
				2500 = 2.5" DIAMETER					
				3000 = 3" DIAMETER					
				4000 = 4" DIAMETER					
				6000 = 6" DIAMETER					
<u>I.D. SURFACE FINISH CODE (SEE NOTE 3)</u>									
S0 = No Finish Requirement									
S1 = 20 μ in Ra Max, Mechanically Polished									
S2 = 25 μ in Ra Max, Mechanically Polished									
S3 = 30 μ in Ra Max, Mechanically Polished									
S4 = 15 μ in Ra Max, Electropolished									
S5 = 20 μ in Ra Max, Electropolished									
S6 = 25 μ in Ra Max, Electropolished									

Tube Part Number Example:

TV-0S-0500D-6M-S4

VALEX BPE TUBE, 316L SEAMLESS, 1/2" O.D. X .049" WALL,
6M NOMINAL LENGTH, 15 Ra ELECTROPOLISHED I.D. SURFACE

NOTES:

1. PER VALEX SPECIFICATION SP-9225 (BPE).
2. PROCESS CODES MAY NOT BE AVAILABLE FOR ALL PART NUMBER COMBINATIONS.
PLEASE CONTACT VALEX FOR ITEM NUMBER AVAILABILITY.
3. FOR FINISH CODES S1, S2, & S3 (MECHANICAL POLISH), ANY SURFACE FINISH METHOD IS ACCEPTABLE THAT MEETS The Ra MAX.

 valex.com		
TITLE BPE TUBE AND FITTING ITEM NUMBER SCHEME		
SPECIFICATION	SP-8200	SHEET 1/2
		REV G

BPE FITTING PART NUMBER MATRIX

VX	- XXX	- XXX	X	X	XXXX	- X
<u>PROCESS/ALLOY CODE</u>	<u>CONFIGURATION CODE</u>	<u>SIZE CODE</u>	<u>WALL CODE</u>	<u>TYPE CODE</u>	<u>USED ONLY FOR REDUCING FITTINGS, INSTRUMENT TEES & MULTI TYPE</u>	<u>FINISH OR CONNECTION DETAILS</u>
V1 = PER SP-9225 (BPE) 0S/0W (316L)	2 = 90° Elbow, Tube Weld	04 = .25" DIAMETER	X = N/A	<u>TUBE TYPE:</u>	<u>I.D. SURFACE FINISH CODE (NOTE 3)</u>	
V2 = PER SP-9225 (BPE) 2S/2W (304L)	2J = 90° Elbow, Tube Weld x Hygienic Joint	06 = .375" DIAMETER	B = .035" WALL	X = MACHINED OR N/A	0 = Surface Finish Requirement -OR- N/A	
V3 = PER SP-9225 (BPE) AS/AW (304)	2H = 90° Elbow, Hygienic Joint	08 = .5" DIAMETER	D = .049" WALL	S = SEAMLESS	1 = 20 μ in Ra Max, Mechanically Polished	
VP = POLYMER (NOTE 5)	2K = 45° Elbow, Tube Weld	12 = .75" DIAMETER	F = .065" WALL	W = WELDED	2 = 25 μ in Ra Max, Mechanically Polished	
V4 = PER SP-9225 (BPE) NS/NW (316L)	2KJ = 45° Elbow, Tube Weld x Hygienic Joint	16 = 1" DIAMETER	G = .083" WALL	<u>FITTING FERRULE TYPE: (NOTE 6)</u>	3 = 30 μ in Ra Max, Mechanically Polished	
V5 = PER SP-9225 (BPE) 1S/1W (304L)	2KH = 45° Elbow, Hygienic Joint	24 = 1.5" DIAMETER	J = .109" WALL	A = TYPE A FERRULE	4 = 15 μ in Ra Max, Electropolished	
V6 = PER SP-9225 (BPE) UNS N06022	2A = 88° Elbow, Tube Weld	32 = 2" DIAMETER		B = TYPE B FERRULE	5 = 20 μ in Ra Max, Electropolished	
V7 = PER SP-9225 (BPE) UNS N10276	2B = 92° Elbow, Tube Weld	40 = 2.5" DIAMETER		<u>CLAMP TYPE:</u>	6 = 25 μ in Ra Max, Electropolished	
	2U = 180° Return Bend, Tube Weld	48 = 3" DIAMETER		0 = ISO DN 15 (1" DIA, TYPE A)	<u>GASKET FERRULE TYPE: (NOTE 6)</u>	
	2UH = 180° Return Bend, Hygienic Joint	64 = 4" DIAMETER		1 = HEAVY DUTY	A = TYPE A FERRULE	
	7N = Instrument Tee, Tube Weld	96 = 6" DIAMETER		2 = HEAVY DUTY, 3-PIECE	B = TYPE B FERRULE	
	7NH = Instrument Tee, Hygienic Joint			3 = HIGH PRESSURE, 2-BOLT		
	7 = Straight Tee, Tube Weld					
	7H = Straight Tee, Hygienic Joint					
	7R = Reducing Tee, Tube Weld					
	7U = 180° Return Bend Tee					
	7RH = Reducing Tee, Hygienic Joint					
	8J = Short-Outlet Tee, Tube Weld x Hygienic Joint					
	8H = Short-Outlet Tee, Hygienic Joint					
	8M = Short-Outlet Run Tee, Hygienic Mechanical Joint					
	8RJ = Short-Outlet Reducing Tee, Tube Weld x Hygienic Joint					
	8RH = Short-Outlet Reducing Tee, Hygienic Joint					
	9 = Straight Cross, Tube Weld					
	9H = Straight Cross, Hygienic Joint					
	13H = Hygienic Clamp					
	13G = Hygienic Gasket					
	14S = Ferrule, Tube Weld, Short					
	14M = Ferrule, Tube Weld, Medium					
	14L = Ferrule, Tube Weld, Long					
	16 = Cap, Tube Weld					
	16H = End Cap, Solid Hygienic Joint					
	31 = Concentric Reducer, Tube Weld					
	31J = Concentric Reducer, Hygienic Joint x Tube Weld					
	31H = Concentric Reducer, Hygienic Joint					
	32 = Eccentric Reducer, Tube Weld					
	32J = Eccentric Reducer, Hygienic Joint x Tube Weld					
	32H = Eccentric Reducer, Hygienic Joint					
NOTES:						
1. PER VALEX SPECIFICATION SP-9225 (BPE).						
2. PROCESS CODES MAY NOT BE AVAILABLE FOR ALL PART NUMBER COMBINATIONS.						
PLEASE CONTACT VALEX FOR ITEM NUMBER AVAILABILITY.						
3. FOR FINISH CODES 1, 2, & 3 (MECHANICAL POLISH), ANY SURFACE FINISH METHOD IS ACCEPTABLE THAT MEETS The Ra MAX.						
4. "TEFLON®" AND "VITON®" ARE REGISTERED TRADEMARKS OF CHEMOURS COMPANY. "BUNA-N®" IS A REGISTERED TRADEMARK OF ARLANXEO.						
5. POLYMER MATERIALS INCLUDE RUBBER AND VARIOUS OTHER PLASTICS SUCH AS PTFE, FKM, NBR, EPDM, AND MORE.						
6. FOR FERRULE TYPE: TYPE A IS ONLY VALID WHEN SIZE IS \leq 1". TYPE B IS ONLY VALID WHEN SIZE IS \geq 1".						

Fitting Part Number Example 4:

V1-2J-32FW32FB-1

VALEX BPE 90° ELBOW, TUBE WELD X HYGIENIC JOINT, 316L, 2" O.D. (.065W) 90° ELBOW, TUBE WELD X HYGIENIC CLAMP TYPE B 20Ra MECHANICAL POLISH I.D. SURFACE

Fitting Part Number Example 5:

VP-13G-16XF-A

VALEX BPE HYGIENIC GASKET, EPDM 1" HYGIENIC GASKET FOR TYPE A FERRULE

Fitting Part Number Example 1:

V1-2-16FW-4

VALEX BPE 90-DEG ELBOW, 316L WELDED, 1/2" O.D. X .049" WALL, TUBE WELD ENDS, 15 Ra ELECTROPOLED I.D. SURFACE

Fitting Part Number Example 2:

V2-7RJ-24FW08DB-1

VALEX BPE REDUCING TEE, 316L, TUBE WELD X HYGIENIC CLAMP TYPE A 1.5" O.D. (.065W) WELDED X 1/2" O.D. (.049W) SEAMLESS, 20Ra MECHANICAL POLISH I.D. SURFACE

Fitting Part Number Example 3:

V1-8RH-24FB12FA-3

VALEX BPE SHORT OUTLET REDUCING TEE, 316L, 1.5" HYGIENIC CLAMP TYPE B X 3/4" HYGIENIC CLAMP TYPE A 30Ra MECHANICAL POLISH I.D. SURFACE



TITLE

BPE TUBE AND FITTING ITEM NUMBER SCHEME

SPECIFICATION

SP-8200

SHEET

2/2

REV

G