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**9** **FITTINGS AND MISCELLANEOUS**  
**ITEMS**

**9.1 DESCRIPTION**

IVEK has a wide variety of fittings available to meet your specific dispensing needs. The following tables provide the IVEK Part Number, Description, and a Photo (if one was available):

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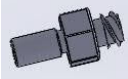
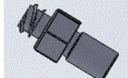
**FITTINGS AND MISCELLANEOUS ITEMS**  
**TABLE 9.1 PUMP AND ADAPTER FITTINGS**

142430-##	Fitting Assy, Pump Adapter, 1/4 NPT Female x 3/4-20 Male	
142608-1##	Fitting Assy, Pump Adapter, 316L SST, 3/4-20 x Barb; 3/8	
142608-2##	Fitting Assy, Pump Adapter, 316L SST 3/4-20 x Barb; 1/4	
142608-3##	Fitting Assy, Pump Adapter, 316L SST 3/4-20 x Barb; 3/16	
142608-4##	Fitting Assy, Pump Adapter, 316L SST 3/4-20 x Barb; 1/8	
142608-5##	Fitting Assy, Pump Adapter, 316L SST 3/4-20 x Barb; 1/2	
142448	Fitting Adapter Assy, 1/4-28 Female, 316L SST	
142431	Fitting Adapter Assy, 5/16-24 Female, 316L SST	
142537	Fitting Assy, Pump Adapter, Flangeless w/ Ferrule, 1/4 Tube, PEEK	
142607	Fitting Assy, Pump Adapter, Flangeless Ferrule, 5/16 Tube, PEEK	
142538	Fitting Adapter Assy, Sanitary Flange, PTFE Enc Sil O-Ring	
142433-5	Fitting Assy, Pump Adapter, 316L SST, 1/2 Barb	
142433-4	Fitting Assy, Pump Adapter, 316L SST, 3/8 Barb	
142433-3	Fitting Assy, Pump Adapter, 316L SST, 1/4 Barb	
142433-2	Fitting Assy, Pump Adapter, 316L SST, 3/16 Barb	
142433-1	Fitting Assy, Pump Adapter, 316L SST, 1/8 Barb	

142609-4	Fitting Assy, Pump Adapter, PP, 1/2 Barb	
142609-3	Fitting Assy, Pump Adapter, PP, 3/8 Barb	
142609-2	Fitting Assy, Pump Adapter, PP, 1/4 Barb	
142609-1	Fitting Assy, Pump Adapter, PP, 3/16 Barb	
142654	Adapter, 1/2-20 Female to 5/16-24, PEEK Female	
142457	Fitting, Pump Adapter, 3/8 ID Tube	

142495-01B	Fitting, Fluid Adapter, 1/8 NPT Male x 3/16 Barb, PE		142488	Fitting, Luer, w/ Locking Ring, Male x 1/4 Barb, Nylon	
142495-02N	Fitting, Fluid Adapter, 1/4 NPT Male x 1/4 Barb, Nylon		142770-01	Fitting Adapter, Male Luer to Barb (for 3/16" tubing)	
142495-03N	Fitting, Fluid Adapter, 3/8 NPT Male x 1/4 Barb, Nylon		142527	Adapter, Luer Male x 1/4-28 Female, 1/16 Tube, PEEK	
142495-04N	Fitting, Fluid Adapter, 1/4 NPT Male x 3/8 Barb, Nylon		142780	Fitting, Adapter, Male Luer to 1/4-28 Male, Style C, PEEK	
142184	Adapter, 1/4-28 Male x 1/16 Barb, ETFE		142784-01	Fitting, Adapter, Male Luer Lock to 5/16-24 Female, PEEK	
142185	Adapter, 1/4-28 Male x 1/8 Barb, ETFE		142809-001	Fitting, Adapter, 5/16-24 Female to 1/4-28 Male, 0.125 Thru Hole, PCTFE	
142186	Adapter, 1/4-28 Male x 3/16 Barb, ETFE		142782	Fitting, Adapter, 5/16-24 Female to 1/4-28 Male, .125 Thru Hole, PCTFE	
142318-005	Fitting, Luer Female x 1/4-28 Female, .040 Thruput, ETFE		142221	Fitting, Connector, Luer Male x 1/4-28 Male, PP	
142318-004	Fitting, Luer Female x 1/4-28 Male, ETFE, .050" Thruput		142116	Connector, Luer Male x 1/8 Barb, Nylon (for use with 3/32 ID tubing)	
142318-003	Fitting, Luer Female x 1/4-28 Male, 1/8" Thruput, PP		142487	Fitting, Connector, Luer Male Slip x 5/32 Barb, Nylon	
142318-002	Fitting, Luer Female x 1/4-28 Male, PP, .050" Thruput		142141	Luer Lock, Nylon	
142318-001	Fitting, Luer Female x 1/4-28 Male, Acetal, .050" Thruput		142536	Plug Luer, Female, Nylon	
142664	Adapter, Barb, 5/16-24 Male to 3/16 ID		142757	Fitting, Adapter, Male Luer to 1/8" Barb (for 1/8" tubing)	
142183	Adapter, Luer, Male x 1/4-28 Male, ETFE		142836-0101	Fitting W/ O-Ring, Fe-Luer Ma-UNF; 1/4-28, 1x3.5ID, Buna-N	
142115	Connector, Luer Male x 1/16 Barb, Nylon (for 1/16" ID tubing)		142836-0105	Fitting W/ O-Ring, Fe-Luer Ma-UNF; 1/4-28, 1x3.5ID, Silicone	

**TABLE 9.2 CONNECTOR FITTINGS (CONTINUED)**

142836-0108	Fitting W/ O-Ring, Fe-Luer Male-UNF; 1/4-28, 1x3.5ID, FKM		142836-0211	Fitting W/ O-Ring, Fe-Luer Male-UNF; 5/16-24, 1x4ID, Buna-N	
142836-0215	Fitting W/ O-Ring, Fe-Luer Male-UNF; 5/16-24, 1x4ID, Silicone		142836-0218	Fitting W/ O-Ring, Fe-Luer Male-UNF; 5/16-24, 1x4ID, FKM	
142861-01	Fitting, 1/4" NPT Male to Plasti-Mate Female Luer, 316 SST		142858-01	Fitting, Adapter, 1/4" Male NPT to 1/4-28 Female Flat Bottom, PEEK	
142835-01	Fitting, Female Luer to Male 1/4-28, Plasti-Mate, PEEK				
142835-02	Fitting, Female Luer to Male 5/16-24, Plasti-Mate, PEEK				



**TABLE 9.3 FLANGELESS/SUPER FLANGLESS FITTINGS**

142047	Ferrule, Flangeless, 1/16" Tube, Natural Tefzel		142444	Nut, Flangeless, 5/16-24, 1/16 Tube, PEEK, Torque to 0.34 - 0.45 Nm (3-4 in-lbs)	
142106	Ferrule, Flangeless, 1/8" Tube, Natural Tefzel		142489	Nut, Flangeless, 5/16-24, 1/8 Tube, PEEK, Torque to 0.34 - 0.45 Nm (3-4 in-lbs)	
142369	Ferrule, Flangeless, 1/8" Tube, Yellow ETFE		142235	Nut, Flangeless, 5/16-24, 3/16 Tube, PEEK, Torque to 0.34 - 0.45 Nm (3-4 in-lbs)	
142234	Ferrule, Flangeless, 3/16" Tube, Blue Tefzel		142857-01	Fitting, Plug, 5/16-24, Flat Bottom	
142422	Ferrule, Flangeless, 1/4" Tube, Natural Tefzel		142589-01	Nut, Flangeless, Hdls, 1/4-28, 1/16 Tube, PPS Torque to 0.34 - 0.45 Nm (3-4 in-lbs)	
142576	Ferrule, Flangeless, 5/16" Tube, Natural Tefzel		142588-01	Nut, Super Flngls, Hdls, 1/4-28, 1/16 Tube, PPS Torque to 0.34 - 0.45 Nm (3-4 in-lbs)	
142518	Ferrule, Super Flangeless, 1/16 Tube, Yellow ETFE		142275	Nut, Super Flangeless, 1/4-28, 1/16 Tube, Acetal, Gray Torque to 0.34 - 0.45 Nm (3-4 in-lbs)	
142085	Ferrule, Super Flangeless w/ SST Locking Ring, 1/16 Tube, Natural PEEK		142758-1	Nut, Super Flngls, 1/4-28, 1/8 Tube, Black Delrin Torque to 0.34 - 0.45 Nm (3-4 in-lbs)	
142587	Ferrule, Super Flangeless, 1/8 Tube, Yellow ETFE		142758-2	Nut, Super Flangeless, 1/4-28, 1/8 Tube, Natural PEEK Torque to 0.34 - 0.45 Nm (3-4 in-lbs)	
142345	Ferrule, Super Flangeless w/ SST Locking Ring, 1/8 Tube, Natural PEEK		142737	Nut, Super Flangeless, 3/16 IN, 5/16-24, PEEK Black Torque to 0.34 - 0.45 Nm (3-4 in-lbs)	
142738	Ferrule, Super Flangeless, 3/16", Tefzel (EFTE) Green		142679	Fitting, Nut Flangeless, 1/2-20, 1/4 Tube PEEK	
142046-01	Nut, Flangeless, 1/4-28, 1/16 Tube, Red Delrin, Torque to 0.34 - 0.45 Nm (3-4 in-lbs)				
142046-03	Nut, Flangeless, 1/4-28, 1/16 Tube, Natural PEEK, Torque to 0.34 - 0.45 Nm (3-4 in-lbs)				




**TABLE 9.3 FLANGELESS/SUPER FLANGLESS FITTINGS (CONTINUED)**

142218	Nut, Flangeless, 1/4-28, 1/8 Tube, Blue Delrin, Torque to 0.34 - 0.45 Nm (3-4 in-lbs.)		142325	Nut, Short Hex HD, Super Flangeless, 1/4-28, 1/8 Tube, 316 SST Torque to 0.34 - 0.45 Nm (3-4 in-lbs.)	
142204	Nut, Flangeless, 1/4-28, 1/8 Tube, Natural PEEK, Torque to 0.34 - 0.45 Nm (3-4 in-lbs.)		142379	Plug, 1/4-28 EXT, Black Delrin	
142765	Fitting, 1/4NPT Male to 5/16-24 Female Adapter		142368	Nut Short, Flgls, 1/4-28, 1/8 Tube, Black Delrin Torque to 0.34 - 0.45 Nm (3-4 in-lbs.)	
142796-01	Adapter, Nut with Ferrule, 1/4-28, 1/16" OD, PEEK		142786	Adapter, Nut W/Ferrule, 1/4-28, 1/8 OD Tubing, PEEK Torque to 0.34 - 0.45 Nm (3-4 in-lbs.)	
			142680	Fitting, Nut Flgls, 1/2-20, 5/16 Tube PEEK	


**TABLE 9.4 MOLDED PUMP CASE ADAPTER FITTINGS**

142460-001	Adapter, Tube, Plastic Case Pump Head 1/8"		142460-002	Adapter, Tube, Plastic Case Pump Head 1/4"	
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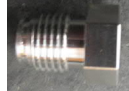
**TABLE 9.5 PORT SEALS**

142026	Face Seal, For 1/4-28 Flangeless, PTFE		142181	Port Seal, 1/4 ID, PTFE	
142133	Port Seal, For 5/16-24 Flangeless, PTFE				

**TABLE 9.6 FITTING LOCK NUTS**






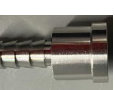





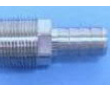

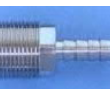


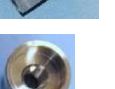

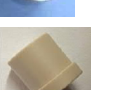

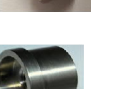

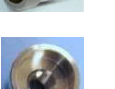



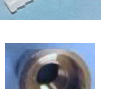

142084-01	3/4-20 Threaded Sleeve, Castellated, 303 SST		142245	3/4-20 Lock Nut, 316 SST	
142084-02	3/4-20 Threaded Sleeve, Castellated, 316L SST		142648-001	3/4-20 Knurled Thread Sleeve, 303 SST	
142084-03	3/4-20 Threaded Sleeve, Castellated, Titanium		142648-002	3/4-20 Knurled Thread Sleeve, 316L SST	
142084-04	3/4-20 Threaded Sleeve, Castellated, PEEK				

**TABLE 9.7 RESERVOIR FITTINGS**



142815-11	Fitting, Reservoir, 1/4-18 NPT Male to Female UNF; PEEK, 1/4-28		142815-21	Fitting, Reservoir, 1/4-18 NPT Male to Female UNF; 316L SST, 1/4-28	
142815-12	Fitting, Reservoir, 1/4-18 NPT Male to Female UNF; PEEK, 5/16-24		142815-22	Fitting, Reservoir, 1/4-18 NPT Male to Female UNF; 316L SST, 5/16-24	




**FITTINGS AND MISCELLANEOUS ITEMS**  
**TABLE 9.8 SPLIT CASE PUMP COMPONENTS**






092285	Seal, End Cap W/ -016 O-Ring Groove		142188-01	3/16 Barbed Adapter Fitting, PP	
102104	Teflon End Cap		142188-02	3/16 Barbed Adapter Fitting, 316 SST	
142007-001	1/4 Barbed Adapter Fitting, PP		142189	Fitting, Pump Adapter, Compression, Face Seal X 1/4 Tube, 316 SST	
142007-002	1/4 Barbed Adapter Fitting, 316 SST		142192	Fitting, Pump Adapter, Compression, Face Seal X 1/4 Tube, PP	
142010	1/8 Barbed Adapter Fitting, 316 SST		142244	Fitting, Adapter, 3/4-20 Male X 1/4 NPT Female, 316L SST	
142012-01	3/8 Barbed Adapter Fitting, PP		142554	Fitting, Adapter, 3/4-20 X 1/2 Barb, 316L SST	
142012-02	3/8 Barbed Adapter Fitting, 316 SST		142279	Fitting, Adapter, 3/4-20 X 3/16 Barb, 316L SST	
142013-01	1/2 Barbed Adapter Fitting, PP		142280	Fitting, Adapter, 3/4-20 X 3/8 Barb, 316L SST	
142013-02	1/2 Barbed Adapter Fitting, 316 SST		142411	Fitting, Adapter, 3/4-20 X 1/4 Barb, 316L SST	
142015	Fitting Pump Adapter, Face Seal X 1/8 NPT Female, 316 SST		142415	Fitting, Adapter, 3/4-20 X 1/8 Barb, 316L SST	
142025-001	Fitting, Pump Adapter, Face Seal X 1/4-28 Female, 316 SST		142421	Compression Ring, Flangeless, for 1/4 Tubing, Blk PEEK	
142025-002	Fitting, Pump Adapter, Face Seal X 1/4-28 Female, PEEK		142575	Compression Ring, Flangeless, for 5/16 Tubing, Blk PEEK	
142025-003	Fitting, Pump Adapter, Face Seal X 1/4-28 Female, Titanium		142465-01	Fitting, Conn, 316 SST; 1/4 NPT X 3/8" Barb	
142025-004	Fitting, Pump Adapter, Face Seal X 1/4-28 Female, 316L SST		142465-02	Fitting, Conn, 316 SST; 1/4 NPT X 1/2" Barb	
142079	1/4 Barbed Adapter Fitting, PVDF		142465-03	Fitting, Conn, 316 SST; 1/4 NPT X 1/8" Barb	
142132	Fitting, Pump Adapter, Face Seal X 5/16-24 female, 316 SST		142465-04	Fitting, Conn, 316 SST; 1/4 NPT X 1/4" Barb	





**TABLE 9.8 SPLIT CASE PUMP COMPONENTS (CONTINUED)**

142465-05	Fitting, Conn, 316 SST; 3/16 NPT X 1/4" Barb	
142465-06	Fitting, Conn, 316 SST; 5/16 NPT X 1/4" Barb	




142374	Fitting, Adapter, 3/4-20 X Sanitary Flange, 316L SST	
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**TABLE 9.9 COMPRESSION TUBE FITTINGS**

142236	Nut/Ferrule, Compression, 1/4 Tube, PVDF	
142494-01P	Fitting, Union, Bulkhead, Compression, 1/4 Tube, PP	
142496-01P	Fitting, Tee, Compression, 1/4 Tube, PP	
142496-02P	Fitting, Tee, Compression, 5/16 Tube, PP	
142496-03P	Fitting, Tee, Compression, 3/8 Tube, PP	




142496-04P	Fitting, Tee, Compression, 1/2 Tube, PP	
142497-01N	Fitting, Connector, 1/4 NPT X 5/16 Compression, Nylon	
142497-02P	Fitting, Connector, 1/4 NPT X 3/8 Compression, PP	
142497-03P	Fitting, Connector, 3/8 NPT X 1/2 Compression, PP	




**TABLE 9.10 UNION FITTINGS**

142232	Fitting Adapter, 1/4-28 X 5/16-24, PEEK	
142285	Union, PEEK, 1/4-28, Threaded Ports	
142293	Union, 1/4-28 X 1/4-28, PEEK	

142653	Union, PEEK, 5/16-24, Internal Threads	
142681	Fitting, Union, PEEK 1/2-20	

**TABLE 9.11 Y TUBE FITTINGS**

142298-00205	Connector, Y, 3/32 Barb, Kynar	
142298-00305	Connector, Y, 1/8 Barb, Kynar	
142298-00405	Connector, Y, 3/16 Barb, Kynar	

142298-00505	Connector, Y, 1/4 Barb, Kynar	
142299-003	Fitting, Y, 1/4-28 Flangeless, 1/8 Tube (.060 Thru), PEEK	
142299-004	Fitting, Y, 5/16-24 Flangeless, 3/16 Tube (.125" Thru), PEEK	

142017	Wrench, Spanner	
142220	Extender, Took Std Head, Flangeless Fitting	
142590	Tool, Extender, Headless Flangeless Fitting	
142816-001	Tool, Multi, Install Ferrule on Tubing; 303 SST	
142816-002	Tool, Multi, Install Ferrule on Tubing; PEEK	


640040	Tool Kit, Operator, A.P.	
640041	Tool Kit, Operator, 34 Frame	
640042	Tool Kit, Operator, 20 Pitch	
640043	Tool Kit, Operator, 40 Pitch	

142294-01101	O-Ring; -011, Buna-N
142294-01102	O-Ring; -011, Ethylene Propylene
142294-01103	O-Ring; -011, Kalrez
142294-01104	O-Ring; -011, Polyurethane
142294-01105	O-Ring; -011, Silicone
142294-01106	O-Ring; -011, Teflon
142294-01107	O-Ring; -011, Teflon Encapsulated Silicon
142294-01109	O-Ring; -011, Teflon Encapsulated Viton
142294-01108	O-Ring; -011, Viton
142294-01601	O-Ring; -016, Buna-N
142294-01602	O-Ring; -016, Ethylene Propylene
142294-01603	O-Ring; -016, Kalrez
142294-01604	O-Ring; -016, Polyurethane
142294-01605	O-Ring; -016, Silicone
142294-01606	O-Ring; -016, Teflon
142294-01607	O-Ring; -016, Teflon Encapsulated Silicon
142294-01609	O-Ring; -016, Teflon Encapsulated Viton
142294-01608	O-Ring; -016, Viton
142697	O-Ring, Metric, Hi Temp FFKM, 2MM ID X 4MM OD X 1MM WD
142774-100501	O-Ring, Metric; 1MM Cross Section, Ø9MM I.D., Buna-N
142774-100502	O-Ring, Metric; 1MM Cross Section, Ø9MM I.D., Ethylene Propylene
142774-100503	O-Ring, Metric; 1MM Cross Section, Ø9MM I.D., Perfluoroelastomer (FFKM)
142774-100504	O-Ring, Metric; 1MM Cross Section, Ø9MM I.D., Polyurethane
142774-100505	O-Ring, Metric; 1MM Cross Section, Ø9MM I.D., Silicone
142774-100508	O-Ring, Metric; 1MM Cross Section, Ø9MM I.D., Viton

142222-001	Dispense Tip, SST X Fem Luer: 21 Gage, .25" Lg.	
142222-002	Dispense Tip, SST X Fem Luer; 20 Gage, .25" Lg.	
142222-003	Dispense Tip, SST X Fem Luer; 18 Gage, .25" Lg.	
142243-001	Dispense Tip, Tapered, Poly; 25 Gage, Red	
142243-002	Dispense Tip, Tapered, Poly; 22 Gage, Blue	
142243-003	Dispense Tip, Tapered, Poly; 20 Gage, Pink	
142243-004	Dispense Tip, Tapered, Poly; 18 Gage, Green	
142243-005	Dispense Tip, Tapered, Poly; 16 Gage, Grey	
142243-006	Dispense Tip, Tapered, Poly; 14 Gage, Olive	
142243-007	Dispense Tip, Tapered, Poly; 27 Gage, White	
142297	Tube, Tip, Dispense, 316 SST; 0.065 O.D. X 0.047 I.D. (16 Gage)	
142312	Tubing, 316 SST, 0.125" O.D. X 74MM	
142452-01	Tubing, 316 SST, .0355 X .028; 37MM Lg, Non-coated	
142452-02	Tubing, 316 SST, .0355 X .028; 37MM Lg, RA/IPA Dip Coated	
142528-0515	Tips, 1/2 to 1 1/2, Precision Dispensing, SS; 1/2" 15 Gage	
142528-0520	Tips, 1/2 to 1 1/2, Precision Dispensing, SS; 1/2" 20 Gage	
142528-0521	Tips, 1/2 to 1 1/2, Precision Dispensing, SST; 1/2" 21 Gage	
142528-0522	Tips, 1/2 to 1 1/2, Precision Dispensing, SST; 1/2" 22 Gage	
142528-0523	Tips, 1/2 to 1 1/2, Precision Dispensing, SST; 1/2" 23 Gage	

142528-0525	Tips, 1/2 to 1 1/2, Precision Dispensing, SST; 1/2" 25 Gage	
142528-0527	Tips, 1/2 to 1 1/2, Precision Dispensing, SST; 1/2" 27 Gage	
142528-0530	Tips, 1/2 to 1 1/2, Precision Dispensing, SST; 1/2" 30 Gage	
142528-1520	Tips, 1/2 to 1 1/2, Precision Dispensing, SST; 1 1/2" 20 Gage	
142528-1521	Tips, 1/2 to 1 1/2, Precision Dispensing, SST; 1 1/2" 21 Gage	
142528-1522	Tips, 1/2 to 1 1/2, Precision Dispensing, SST; 1 1/2" 22 Gage	
142528-1523	Tips, 1/2 to 1 1/2, Precision Dispensing, SST; 1 1/2" 23 Gage	
142528-1525	Tips, 1/2 to 1 1/2, Precision Dispensing, SST; 1 1/2" 25 Gage	
142798-01	Nozzle, 316Ti SST, SGL EYE, 1/2 - 20UNF Female X 5MM ID, Style A; 120MM LG	
142798-02	Nozzle, 316L SST, SGL EYE, 1/2 - 20UNF Female X 5MM ID, Style A; 120MM LG	
142799-01	Nozzle, 316Ti SST, STD, 1/2 - 20UNF Female X 5MM ID, Style A; 120MM LG	
142799-02	Nozzle, 316L SST, STD, 1/2 - 20UNF Female X 5MM ID, Style A; 120MM LG	
142822-01	Nozzle, 316L SST, SGL EYE, 1/2-20UNF Female X 2.16 ID, Style A; 120MM LG	

**TABLE 9.15 MEGASPENSE FITTINGS AND TOOLS**

052308	Tool, Spanner, 1" Castellated Nut, G Size	
082181	Fitting, Barbed, 0.5" Tubing ID, Flow Optimized, 316 SST	
082182	Threaded Sleeve, Castellated, Large Diameter; 303 SST, 1-20	
082183-01	Seal, Port, Teflon; 12.7MM ID	
142778-001	Fitting Assembly with Nut, 1"-20 UNEF; 316 SST, 1.5" Barb	
142778-002	Fitting Assembly with Nut, 1"-20 UNEF; 316 SST, 1" Barb	
142778-003	Fitting Assembly with Nut, 1"-20 UNEF; 316 SST, 3/4" Barb	
142778-004	Fitting Assembly with Nut, 1"-20 UNEF; 316 SST, 1/4 NPT	
142778-005	Fitting Assembly with Nut, 1"-20 UNEF; 316 SST, 3/8 NPT	
142778-006	Fitting Assembly with Nut, 1"-20 UNEF; 316 SST, 1/2 NPT	
142778-007	Fitting Assembly with Nut, 1"-20 UNEF; 316 SST, 3/8" Barb	
142778-008	Fitting Assembly with Nut, 1"-20 UNEF; 316 SST, 3/4 NPT	
142800-03	Dispense Nozzle, Barbed, 1/2" ID; 5MM Orifice, 316 SST, 150MM LG, 0.5 X 45° Edge	
142800-04	Dispense Nozzle, Barbed, 1/2" ID; 5MM Orifice, 316 SST, 150MM LG, Sharp Edge	
142800-06	Dispense Nozzle, Barbed, 1/2" ID; 3MM Orifice, 316 SST, 50MM LG, Sharp Edge	
142800-07	Dispense Nozzle, Barbed, 1/2" ID; 3MM Orifice, 316 SST, 150MM LG, 0.5 X 45° Edge	
142800-08	Dispense Nozzle, Barbed, 1/2" ID; 3MM Orifice, 316 SST, 150MM LG, Sharp Edge	



**TABLE 9.15 MEGASPENSE FITTINGS AND TOOLS (CONTINUED)**

142801-03	Dispense Nozzle, Barbed, 3/8" ID; 4MM Orifice, 316 SST, 150MM LG, 0.5 X45° Edge	
142801-04	Dispense Nozzle, Barbed, 3/8" ID; 4MM Orifice, 316 SST, 150MM LG, Sharp Edge	
142801-06	Dispense Nozzle, Barbed, 3/8" ID; 2MM Orifice, 316 SST, 50MM LG, Sharp Edge	
142801-07	Dispense Nozzle, Barbed, 3/8" ID; 2MM Orifice, 316 SST, 150MM LG, 0.5 X 45° Edge	
142801-08	Dispense Nozzle, Barbed, 3/8" ID; 2MM Orifice, 316 SST, 150MM LG, Sharp Edge	
142819-001	Jam Nut, 1"-20 UNEF, E/F/G Pump Fitting; 316 SST	
142823-001	Fitting, 1" X NPT Female; 316 SST, 1/4 NPT	
142823-002	Fitting, 1" X NPT Female; 316 SST, 3/8 NPT	
142823-003	Fitting, 1" X NPT Female; 316 SST, 1/2 NPT	
142823-004	Fitting, 1" X NPT Female; 316 SST, 3/4 NPT	
142820-001	Fitting, 1"-20 UNEF X Barb, E/F/G Pump; 316 SST, 1.5" ID Tube	
142820-002	Fitting, 1"-20 UNEF X Barb, E/F/G Pump; 316 SST, 1" ID Tube	
142820-003	Fitting, 1"-20 UNEF X Barb, E/F/G Pump; 316 SST, 3/4" ID Tube	
142820-004	Fitting, 1"-20 UNEF X Barb, E/F/G Pump; 316 SST, 3/8" ID Tube	
142837-001	Fitting Assembly, with Castellated Sleeve, 1"-20	



**TABLE 9.16 TUBING ASSEMBLY INSTRUCTIONS FOR FLANGELESS FITTINGS**

1. Cut tubing with a tubing cutter or sharp razor blade to get a straight 90° cut. This is necessary to get a good seal with the ferrule and ceramic cylinder.
2. Slide the nut onto the tubing.
3. Slide the ferrule onto the tubing to create a flush fit, small end first.
4. Tighten the nut and ferrule into the pump case (3-4 in-lbs.) or use the IVEK Multitool 142816-001.
5. Check for a snug fit. If loose, tighten again.

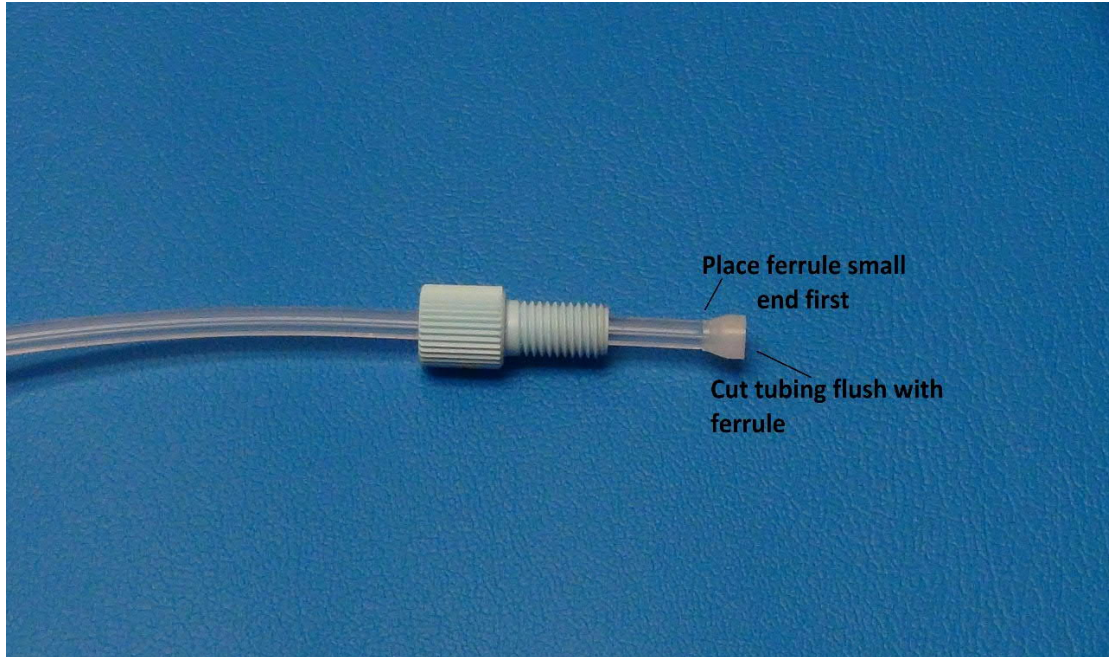
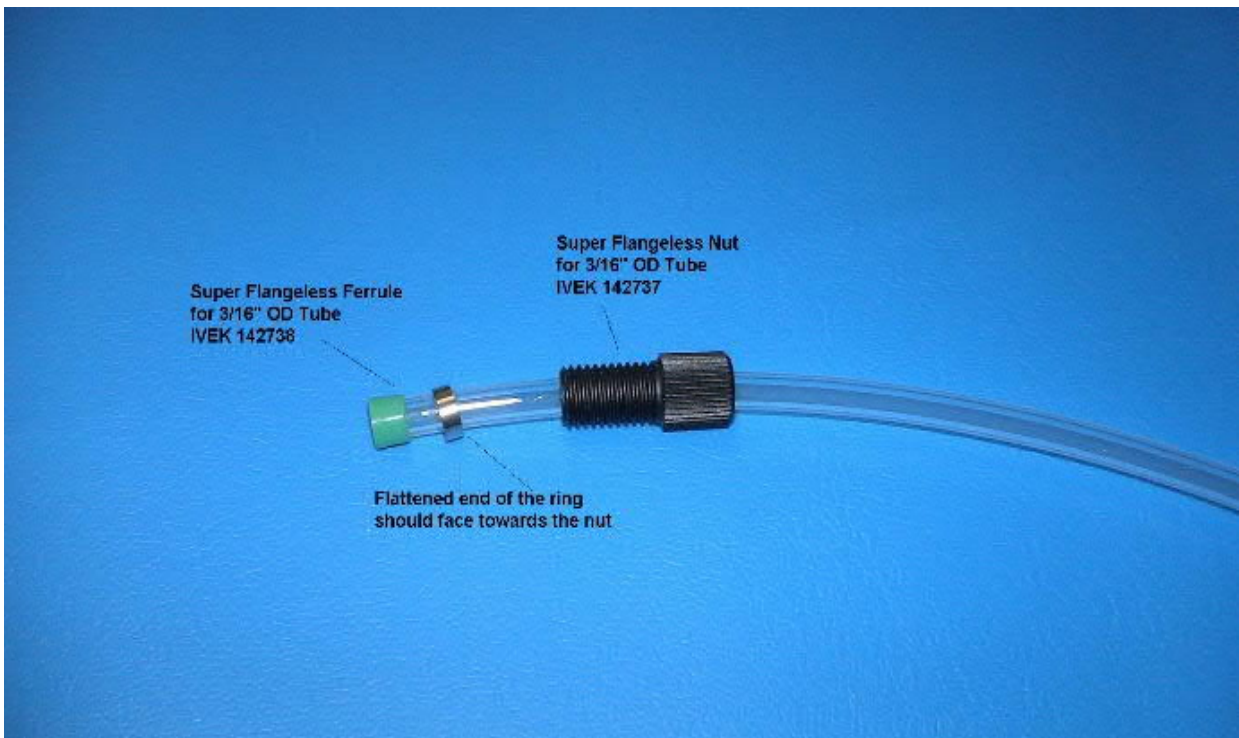
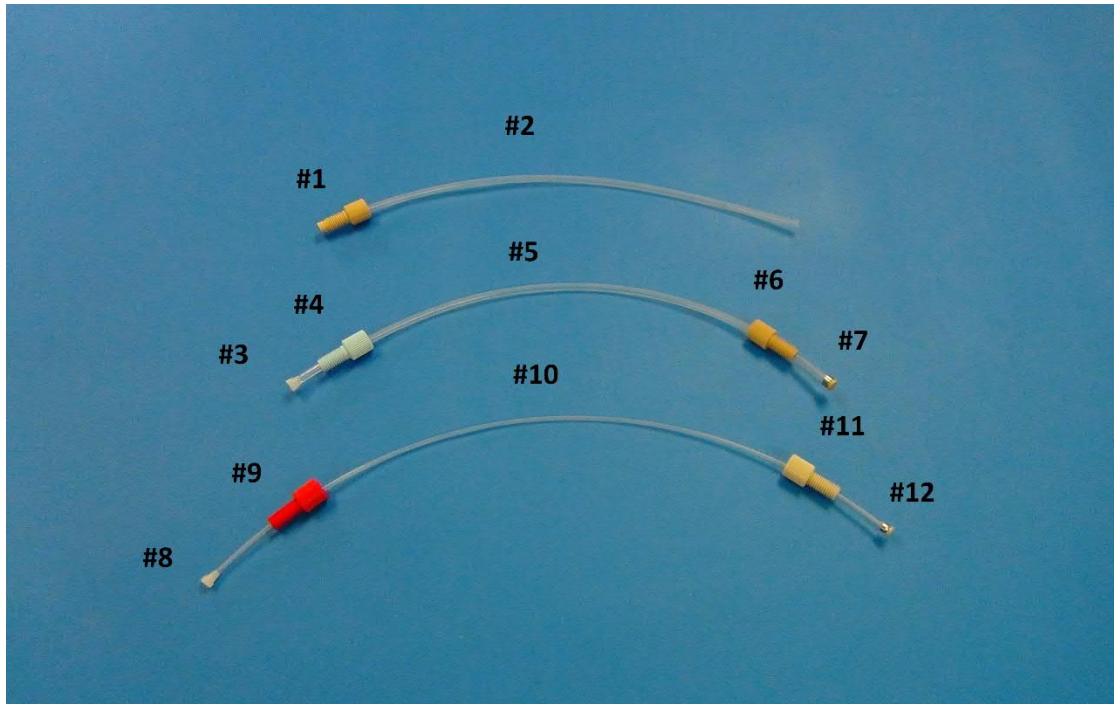


TABLE 9.17 TUBING ASSEMBLY INSTRUCTIONS FOR SUPER FLANGELESS FITTINGS

1. Cut tubing with a tubing cutter or sharp razor blade to get a straight 90° cut. This is necessary to get a good seal with the ferrule and ceramic cylinder.
2. Slide the nut onto the tubing.
3. Slide the stainless ring onto the tubing with the flattened side towards nut, beveled side toward the ferrule end of tubing.
4. Slide the ferrule onto the tubing to create a flush fit, small end first.
5. Tighten the nut and ferrule into the pump case or use the IVEK Multitool.
6. Check for a snug fit. If loose, tighten again.



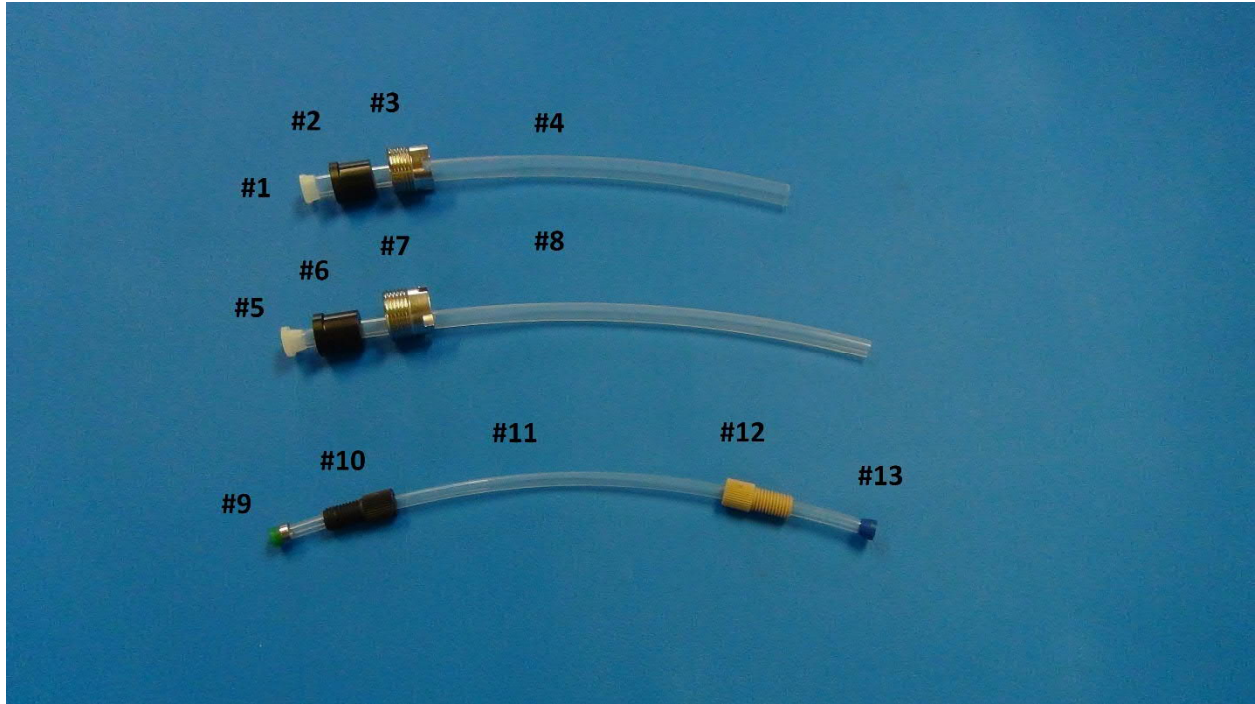
**TABLE 9.18 TUBING ASSEMBLIES FOR 1/4-28 THREAD**



- #1 One piece Nut & Ferrule 142786
- #2 1/8" OD x 1/16" ID FEP Teflon Tubing 142323-002
- #3 Flangeless Ferrule 142106
- #4 Flangeless Nut for 1/8" 142218
- #5 1/8" OD x 1/16" ID FEP Teflon Tubing 142323-002
- #6 Super Flangeless PEEK Nut for 1/8" 142758-2
- #7 Super Flangeless Ferrule and Ring 142345
- #8 Flangeless Ferrule for 1/16" 142047
- #9 Flangeless Nut for 1/16" 142046-01
- #10 1/16" OD x 0.030" ID FEP Teflon Tubing 142323-008
- #11 Super Flangeless Nut 142275
- #12 Super Flangeless Ferrule with Ring 142085



**TABLE 9.19 TUBING ASSEMBLIES FOR LARGER TUBING**



- #1 Tefzel Flangeless Ferrule for 5/16" 142576
- #2 PEEK Adapter for 5/16" OD Tube 142575
- #3 Threaded Castellated Sleeve 142084-01
- #4 5/16" OD x 1/4" ID FEP Teflon Tubing 142323-007
- #5 Tefzel Flangeless Ferrule for 1/4" 142422
- #6 PEEK Adapter for 1/4" OD Tube 142421
- #7 Threaded Castellated Sleeve 142084-01
- #8 1/4" OD x 3/16" ID FEP Teflon Tubing 142323-004
- #9 Super Flangeless Ferrule with Ring for 3/16" Tube 142738
- #10 Super Flangeless Nut for 3/16" Tube 142737
- #11 3/16" OD x 1/8" ID FEP Teflon Tubing 142323-003
- #12 Flangeless Nut for 3/16" Tube 142235
- #13 Flangeless Ferrule for 3/16" Tube 142234

**TABLE 9.20 TUBING ASSEMBLY WITH 1/8" OD TUBE FOR SPLIT CASE OR SS LINEAR CASE**

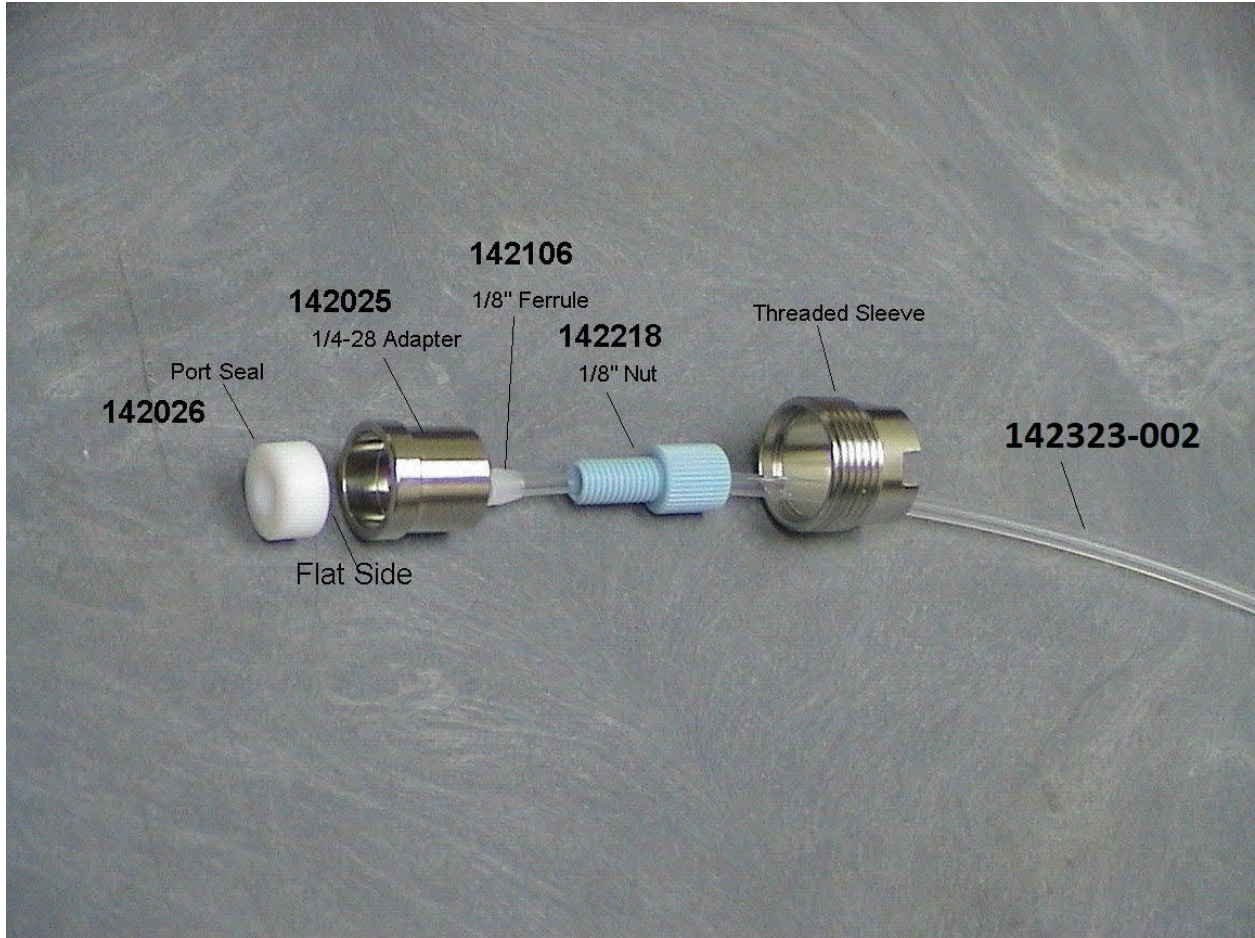
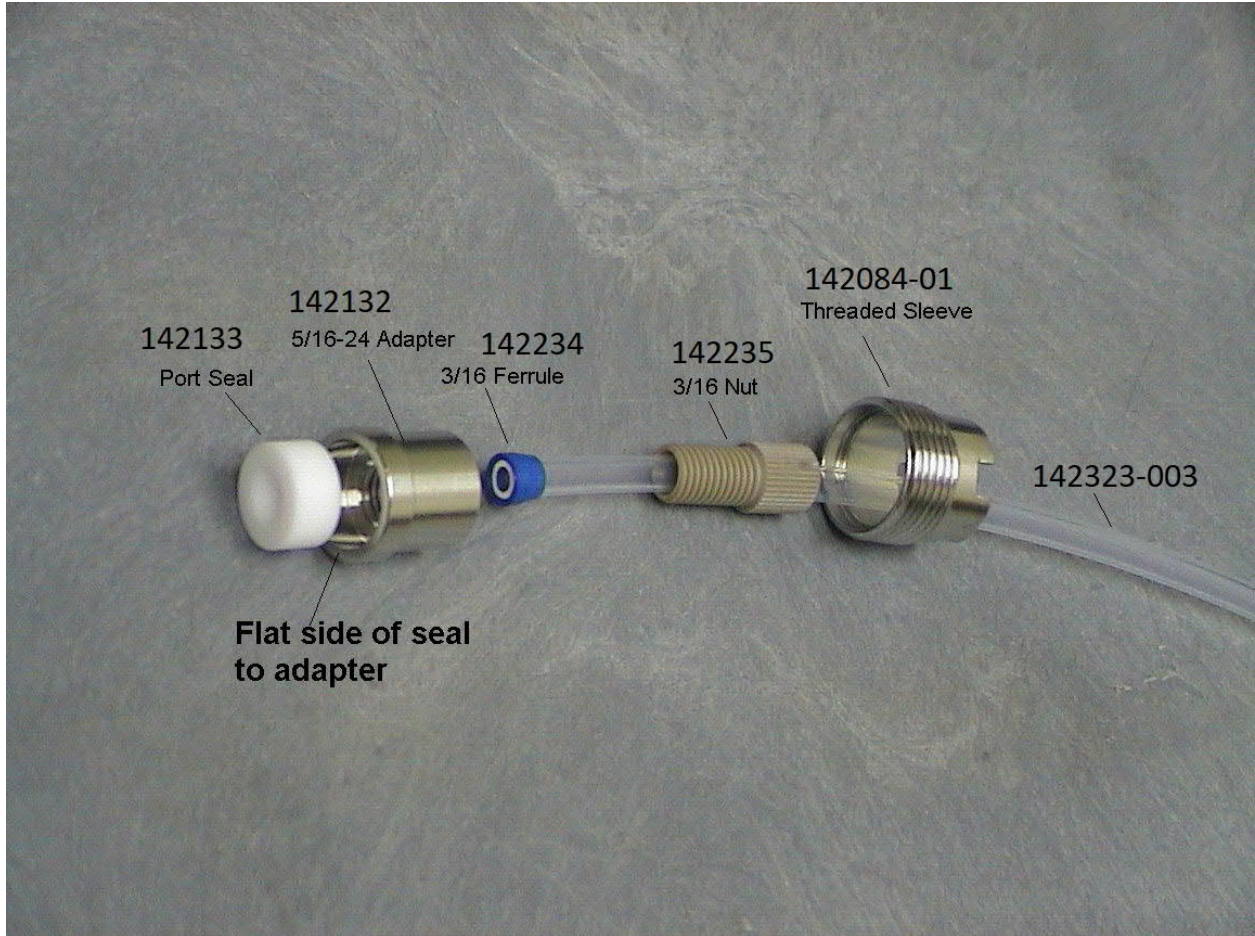




TABLE 9.21 TUBING ASSEMBLY WITH 3/16" OD TUBE FOR SPLIT CASE OR SS LINEAR CASE



-	10/14/03	Original release.
A	5/17/04	Changes per DCR/N 10000
B	7/19/07	Changes per DCR/N 11390
C	2/12/08	Changes per DCR/N 11668
D	10/12/10	Changes per DCR/N 13374
E	3/8/11	Changes per DCR/N 13624
F	2/08/12	Changes per DCR/N's 14114 & 13930
G	04/18/12	Changes per DCR/N 14736
H	03/06/13	Changes per DCR/N 14801
J	07/22/13	Changes per DCR/N 15069
K	08/12/13	Changes per DCR/N 15143
L	06/3/14	Changes per DCR/N 15648 and 15241
M	01/28/15	Added Nozzles per DCR/N 16262
N	06/26/15	Added 142796-01 Per DCR/N16555
O	08/11/15	Added 142809-001 Per DCR/N 16629
P	04/04/16	Added additional Nozzles per DCR/N 17030 and 16767
Q	08/30/16	Added fittings for the E/F/G pump per DCR/N 17340 and additional nozzles per DCR/N 17390
R	04/19/17	Added additional Fittings and O-Rings requested by Technical Service per DCR/N 17821
S	11/15/17	Added 142836 Series and updated 142046 Series per DCR/N's 18091 and 18318.
T	02/16/18	Added 142837-001 and 102104 per DCR/N 18488.
U	09/16/19	Added 142857-01, 142858-01 and 142861-01 per DCR/N 19212.
V	06/17/20	Added 142457 and replaced pictures of 142618-001 and 142293 per DCR/N 19813.
W	10/05/20	Added 640040, 640041, 640042 and 640043 to the tools section per DCR/N 20108.
X	10/25/21	Added/updated many fittings. Refer to DCR/N's 20629, 20685, 20728 and 20939.
Y	12/6/22	Regrouped fittings according to fitting type. Added assembly/installation information per DCRN 21412