



Flanged Fittings

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Flanged fittings perform well in high pressure (up to 1.5Mpa even higher) and non-movable systems.

- PP or PTFE flanged nut come with or without PPS clamp
- Compatible with flat bottom receiving port
- Finger-tight convenience, no wrenches required
- Used for standard rigid tubing OD 1/16" (1.6), 2.0mm, 2.5mm, 3.0mm, 1/8" (3.175), 3.2mm

Application Note

Before flange the tubing, ensure the end of tubing has a clean, square, burr-free cut. This is very important, as the square cut helps the tubing make full contact with the bottom of matching port. Neglecting to properly cut the tubing could lead to dead volume, resulting in peak distortion such as fronting, tailing or broadening.

- Step 1. Flange the tubing with exclusive flange tools, tubing can be flanged one end or both two ends, depending on specific application requirements
- Step 2. When tubing flanged in two ends, 2 pieces clips and 2 pieces nuts need to be slid into the tubing before both ends flanged; when tubing flanged in one end, 1 piece clip and 1 piece nut can be slid into tubing before or after the one end flanged.
- Step 3. Insert the assembly into the receiving port, pushing the tubing into the port until it bottoms out
- Step 4. Finger tighten the fittings into the port until snug
- Step 5. After several uses (especially at high pressure) the flanged tube should be replace

Note: Diameter of flanged tubing end $\leq 5\text{mm}$

Model No.

WF10A - 1/4-28 - P **KC - 020 - PPS**

Nut Model	Thread	Material	Clip Model	Clip ID (Tube OD)	Material
WF10A	1/4-28	P	KC	016 - 1.6mm	PPS - PPS
WF03G	1/4-28	E	020	020 - 2.0mm	SUS - SST
WF08BL	1/4-28	S	025	025 - 2.5mm	
WF08B	1/4-28		030	030 - 3.0mm	
WF05EL	1/4-28		032	032 - 3.2mm	
WF05E	1/4-28				
WF06CL	1/4-28				
WF06C	1/4-28				
WF07Y	1/4-28				
WD10A	1/4-28				
WD03G	1/4-28				
WD08BL	1/4-28				
WD08B	1/4-28				
WD05EL	1/4-28				
WD05E	1/4-28				
WD06CL	1/4-28				
WD06C	1/4-28				
WD020A	1/4-28				

WF05EL-06-S
WF05EL flangeless nut made of M6 male thread, PPS material

KC-020-PPS
PPS material clip, suit for tubing OD2.0mm

Connection



Specification

Nut Model	Thread	Material	Ferrule	Tube OD	Nut Model	Thread	Material	Ferrule	Tube OD
WF10A-1/4-28-P/E	1/4-28UNF	PP/PTFE	KC-016 KC-020	1.6mm 2.0mm	WD10A-1/4-28-P/E	1/4-28UNF	PP/PTFE	KC-025 KC-030 KC-032	2.5mm 3.0mm 3.2mm
WF10A-06-P/E	M6	PP/PTFE			WD10A-06-P/E	M6	PP/PTFE		
WF03G-1/4-28-P/E	1/4-28UNF	PP/PTFE			WD03G-1/4-28-P/E	1/4-28UNF	PP/PTFE		
WF03G-06-P/E	M6	PP/PTFE			WD03G-06-P/E	M6	PP/PTFE		
WF08BL-1/4-28-P/E	1/4-28UNF	PP/PTFE			WD08BL-1/4-28-P/E	1/4-28UNF	PP/PTFE		
WF08BL-06-P/E	M6	PP/PTFE			WD08BL-06-P/E	M6	PP/PTFE		
WF08B-1/4-28-P/E	1/4-28UNF	PP/PTFE			WD08B-1/4-28-P/E	1/4-28UNF	PP/PTFE		
WF08B-06-P/E	M6	PP/PTFE			WD08B-06-P/E	M6	PP/PTFE		
WF05EL-1/4-28-P/E	1/4-28UNF	PP/PTFE			WD05EL-1/4-28-P/E	1/4-28UNF	PP/PTFE		
WF05EL-06-P/E	M6	PP/PTFE			WD05EL-06-P/E	M6	PP/PTFE		
WF05E-1/4-28-P/E	1/4-28UNF	PP/PTFE			WD05E-1/4-28-P/E	1/4-28UNF	PP/PTFE		
WF05E-06-P/E	M6	PP/PTFE			WD05E-06-P/E	M6	PP/PTFE		
WF06CL-1/4-28-P/E	1/4-28UNF	PP/PTFE			WD06CL-1/4-28-P/E	1/4-28UNF	PP/PTFE		
WF06CL-06-P/E	M6	PP/PTFE			WD06CL-06-P/E	M6	PP/PTFE		
WF06C-1/4-28-P/E	1/4-28UNF	PP/PTFE	WD06C-1/4-28-P/E	1/4-28UNF	PP/PTFE				
WF06C-06-P/E	M6	PP/PTFE	WD06C-06-P/E	M6	PP/PTFE				
WF07Y-1/4-28-P/E	1/4-28UNF	PP/PTFE	KC-025 KC-030 KC-032	2.5mm 3.0mm 3.2mm	WD020A-1/4-28-P/E	1/4-28UNF	PP/PTFE	4.0mm	
WF07Y-06-P/E	M6	PP/PTFE			WD020A-06-P/E	M6	PP/PTFE		

Dimension (unit: mm)

