

Barbed Fittings

Single-barbed thermoplastic fittings:

Materials:

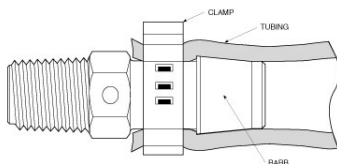
- Nylon
- Polypropylene (PP)
- Kynar (PVDF)

Sizes:

- Tubing ID: **1/16"**(1,59mm); **3/32"**(2,38mm);
1/8"(3,17mm); **5/32"**(4,0mm);
3/16"(4,76mm); **1/4"**(6,35mm);
3/8"(9,52mm); **1/2"**(12,70mm);
3/4"(19,0mm); **1"**(25,4mm)
- Threads: 10-32UNF; 10-32 TAPER;
1/4-28UNF; 6MA(metric);
From **1/16"** to **1"** NPT





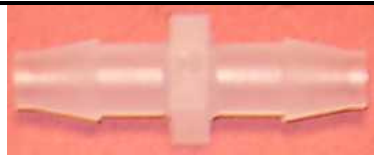


Single-barbed thermoplastic fittings features:

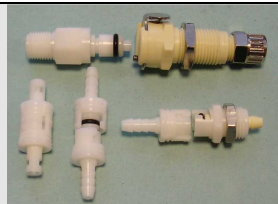
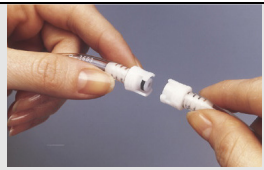
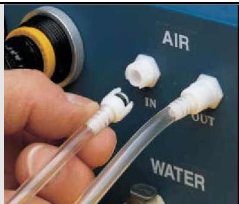

- The single-barbed design allows the tubing to relax behind the barb. The barb bites into the hose, assuring a proper sealing (see here below figure). Multiple barbs typically placed in close succession (like a Christmas tree) prevent the tubing from relaxing and the barb's performance is compromised.
 - The conical surface on the fitting is smooth and glass-like, for excellent sealing.
 - ***Anti-Rotation Devices:*** are small oval-shaped raised areas which inhibit hose rotation on the barb, that often is responsible for many of the leaks occurring with other fittings.
 - Barb edge and all threads are molded in precision-ground cavities, resulting in perfectly matched threads also at the parting line.
 - To improve sealing performance, add a clamp as herebelow shown



Fitting assembled with clamp: Place the clamp behind the barb (see figure) to enable it working like a drawstring, forcing the diameter of the hose

to become smaller than the flare of the barb. If the tubing swells due to internal pressure (close to burst pressure), the clamp will be pulled up tight to the back of the barb and the seal will be maintained. Never place the clamp on the barb edge, otherwise it could cut the hose.

	Tube ID	Thread.	Tube ID	Thread.	Tube ID	Thread.	Tube ID	Thread.
Male Connector	1/16	10-32 UNF	1/16	1/16 NPT	1/16	1/8 NPT	1/4	1/4NPT
	3/32	10-32 UNF	3/32	1/16 NPT	3/32	1/8 NPT		
	1/8	10-32 UNF	1/8	1/16 NPT	1/8	1/8 NPT		
	5/32	10-32 UNF	5/32	1/16 NPT	5/32	1/8 NPT		
			3/16	1/16 NPT	1/4	1/8 NPT		
					3/8	1/8 NPT		
Male Elbow	Tube ID	Thread.						
	1/16	10-32 UNF						
	1/8	1/8 NPT	Union Elbow	Tube ID	Tee male branch	Tube ID	Thread.	
				1/16			1/16	1/8 NPT
	3/16	1/8 NPT		3/32		1/8	1/8	1032UNF
				1/8		5/32	1/4	1/8 NPT
				5/32		3/16		
				1/4		1/4		
Union Tube- Tube	Tube ID	Union Tee	Tube ID	Union Y	Tube ID			
	1/16				1/16	1/16		
						3/32	3/32	
	3/32				1/8	1/8	1/8	
	1/8				5/32	5/32	5/32	
	5/32				3/16	3/16	3/16	
	3/16				1/4	1/4	1/4	
1/4				3/8				
3/8								
1/2								

	Quick Connect mini couplings (see bulletin)		
	CHECK VALVES (Barbed ends) (see bulletin)	