

U-Series Pneumatic Couplings

Interchange Data:

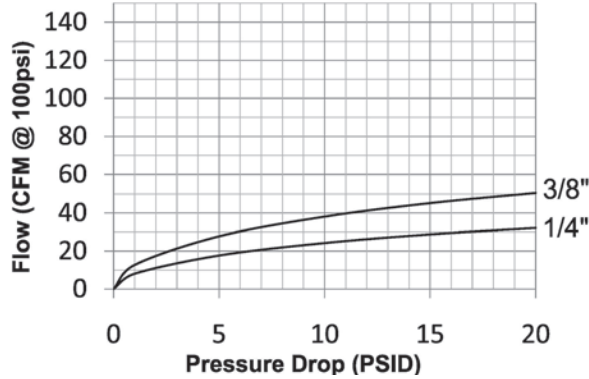
- 2U-Series 6-in-1 (Aro 210, Industrial, Truflate, Lincoln, Italian, and CEJN 320)
- 3U-Series 4-in-1 (ARO 310, Industrial, Truflate, and CEJN 410)
- Parker UC-Series, Hansen Auto-Flo 23, and Tomco Series UC

Materials:

- Machined components are manufactured using solid brass bar stock.
- Stainless steel balls, retaining rings, and springs maximize corrosion resistance and extend service life.
- Valve components are machined from solid brass bar stock.

Seal Components:

- Nitrile (Buna-N) pneumatically energized seals are standard, temperature range of -40°F to +250°F (-40°C to +121°C).



Rated Pressure Chart:

Body Size	U-Series Automatic Universal Coupler Connected															
	Coupler/Steel DF Plug				Coupler/Steel CJ Plug				Coupler/Steel J Plug				Coupler/Steel M Plug			
	Max. Working		Burst		Max. Working		Burst		Max. Working		Burst		Max. Working		Burst	
	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar
1/4"	300	20	2,800	193	300	20	9,500	655	300	20	6,400	441	300	20	4,300	297
3/8"	300	20	2,000	138	300	20	8,000	552	300	20	4,000	276	300	20	2,000	138

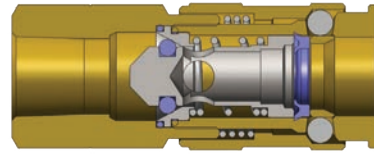
Technical Specifications:

Body Size	Interchange Standards				Functional Parameters				
	U.S. Military	U.S. Government	International Standards	ANSI/NFPA Standards	Locking Ball Quantity	Air Inclusion	Fluid Loss	Vacuum Rating	Flow ΔP = 15 PSI
1/4"	-	-	-	-	6	N/A	N/A	N/R	37 SCFM
3/8"	-	-	-	-	6	N/A	N/A	N/R	67 SCFM

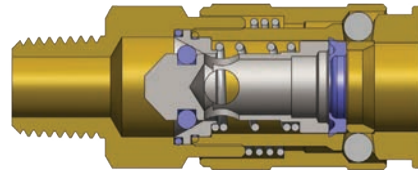
- Note: Many competitive Universal couplings are unable to match the performance capabilities of the Dixon U-Series. Each of the competitive Universal couplers only accept three pneumatic nipple styles. Although the universal coupler permits multiple series nipples to mate with one coupler, it is recommended to match like series couplers and nipples. When using a Universal coupler, the lower performance rating between the coupler and nipple must take precedence.
- Dry air: Some pneumatic applications require the pressurized air to be 'dried' to ensure proper operation of equipment and/or application of product (ie. auto body shops). It is best to match like series couplers and nipples in these applications. If it is necessary to use a Universal coupler, lube the seal and valve area regularly to ensure reliable service.



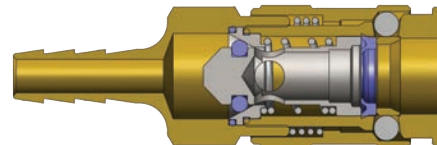
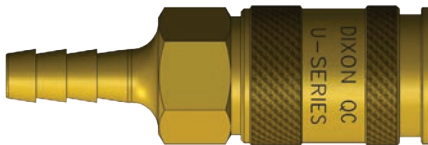
U-Series Pneumatic Couplings



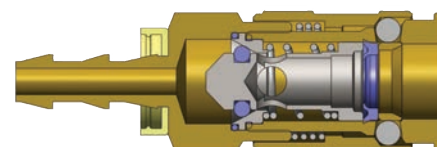
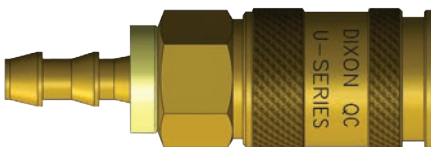
Body Size	U-Series Automatic Universal Coupler (Female Threads)											
	Part Detail				Length		Maximum OD		Hex Inch	Weight Lb	Package Qty	
	Part Number	Threads	Material		Inch	mm	Inch	mm			Bag	Box
1/4"	2UF2-B	1/4" - 18 NPT	brass		2.32	59.0	0.92	23.4	3/4"	0.26	10	100
1/4"	2UF3-B	3/8" - 18 NPT	brass		2.32	59.0	0.92	23.4	3/4"	0.27	10	100
3/8"	3UF3-B	3/8" - 18 NPT	brass		2.54	64.5	1.09	27.7	15/16"	0.31	10	50



Body Size	U-Series Automatic Universal Coupler (Male Threads)											
	Part Detail				Length		Maximum OD		Hex Inch	Weight Lb	Package Qty	
	Part Number	Threads	Material		Inch	mm	Inch	mm			Bag	Box
1/4"	2UM2-B	1/4" - 18 NPT	brass		2.44	62.0	0.92	23.4	3/4"	0.24	10	100
1/4"	2UM3-B	3/8" - 18 NPT	brass		2.44	62.0	0.92	23.4	3/4"	0.25	10	100
3/8"	3UM3-B	3/8" - 18 NPT	brass		2.64	67.0	1.09	27.7	15/16"	0.30	10	50



Body Size	U-Series Automatic Universal Coupler (Standard Hose Barb)											
	Part Detail				Length		Maximum OD		Hex Inch	Weight Lb	Package Qty	
	Part Number	Hose ID	Material		Inch	mm	Inch	mm			Bag	Box
1/4"	2US2-B	1/4"	brass		2.64	67.0	0.92	23.4	3/4"	0.26	10	100
1/4"	2US3-B	3/8"	brass		2.76	70.0	0.92	23.4	3/4"	0.27	10	100
3/8"	3US3-B	3/8"	brass		2.99	76.0	1.09	27.7	15/16"	0.31	10	50



Body Size	U-Series Automatic Universal Coupler (Push-Loc Barb)											
	Part Detail				Length		Maximum OD		Hex Inch	Weight Lb	Package Qty	
	Part Number	Hose ID	Material		Inch	mm	Inch	mm			Bag	Box
1/4"	2UB2-B	1/4"	brass		2.52	64.0	0.92	23.4	3/4"	0.25	10	100
1/4"	2UB3-B	3/8"	brass		2.64	67.0	0.92	23.4	3/4"	0.26	10	100