

# Pneumatic Couplings: U-Series

## Interchange Data

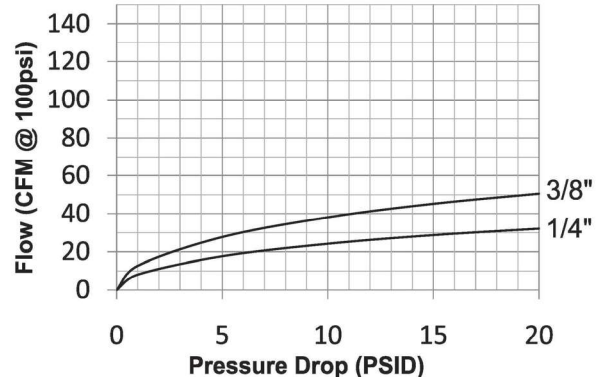
- 2U-Series 6-in-1 (ARO 210, Industrial, Tru-Flate, Lincoln, Italian, and CEJN 320)
- 3U-Series 4-in-1 (ARO 310, Industrial, Tru-Flate, and CEJN 410)
- Parker UC-Series, Hansen Auto-Flo 23, and Coilhose Series UC

## Materials

- Machined components are manufactured using solid brass bar stock
- Stainless steel springs, carbon steel balls and retaining rings
- Valve components are machined from solid brass bar stock

## Seal Components

- Nitrile (Buna-N) pneumatically energized seals are standard, providing a 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

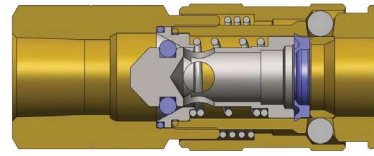
## Technical Specifications

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

**!** Many competitive universal couplings are unable to match the performance capabilities of the Dixon U-Series. Each of the competitive universal couplers only accepts three pneumatic plug styles. Although the universal coupler permits multiple series plugs to mate with one coupler, it is recommended to match like series couplers and plugs. When using a universal coupler, the lower performance rating between the coupler and plug must take precedence.

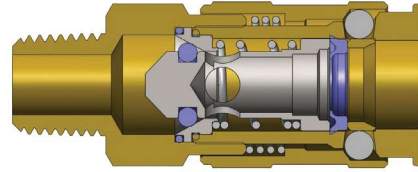
**!** Dry air: Some pneumatic applications require the pressurized air to be 'dried' to ensure proper operation of equipment and/or application of product (eg. auto body shops). It is best to match like series couplers and plugs in these applications. If it is necessary to use a universal coupler, lube the seal and valve area regularly to ensure reliable service.

## Pneumatic Couplings: U-Series



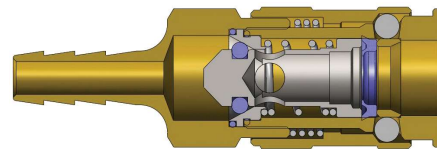
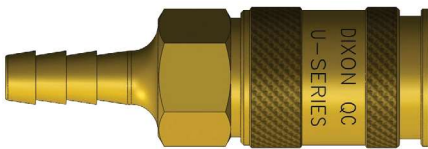
U-Series Automatic Universal Coupler (Female Threads)

Body Size	U-Series Automatic Universal Coupler (Female Threads)							
	Part Detail			Length		Maximum OD		Hex Inch
	Part #	Threads	Material	Inch	mm	Inch	mm	
1/4"	2UF2-B	1/4" - 18 NPT	brass	2.32	59.0	0.92	23.4	3/4"
	2UF3-B	3/8" - 18 NPT	brass	2.32	59.0	0.92	23.4	3/4"
3/8"	3UF3-B	3/8" - 18 NPT	brass	2.54	64.5	1.09	27.7	15/16"



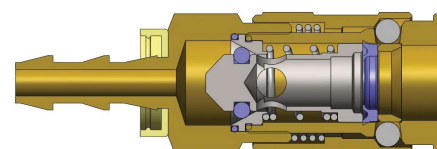
U-Series Automatic Universal Coupler (Male Threads)

Body Size	U-Series Automatic Universal Coupler (Male Threads)							
	Part Detail			Length		Maximum OD		Hex Inch
	Part #	Threads	Material	Inch	mm	Inch	mm	
1/4"	2UM2-B	1/4" - 18 NPT	brass	2.44	62.0	0.92	23.4	3/4"
	2UM3-B	3/8" - 18 NPT	brass	2.44	62.0	0.92	23.4	3/4"
3/8"	3UM3-B	3/8" - 18 NPT	brass	2.64	67.0	1.09	27.7	15/16"



U-Series Automatic Universal Coupler (Standard Hose Barb)

Body Size	U-Series Automatic Universal Coupler (Standard Hose Barb)							
	Part Detail			Length		Maximum OD		Hex Inch
	Part #	Hose ID	Material	Inch	mm	Inch	mm	
1/4"	2US2-B	1/4"	brass	2.64	67.0	0.92	23.4	3/4"
	2US3-B	3/8"	brass	2.76	70.0	0.92	23.4	3/4"
3/8"	3US3-B	3/8"	brass	2.99	76.0	1.09	27.7	15/16"



U-Series Automatic Universal Coupler (Push-Loc Barb)

Body Size	U-Series Automatic Universal Coupler (Push-Loc Barb)							
	Part Detail			Length		Maximum OD		Hex Inch
	Part #	Hose ID	Material	Inch	mm	Inch	mm	
1/4"	2UB2-B	1/4"	brass	2.52	64.0	0.92	23.4	3/4"
	2UB3-B	3/8"	brass	2.64	67.0	0.92	23.4	3/4"