

Stainless Steel Braided

Series 401 & 402 Pump Connectors

Series 401 & 402 stainless steel braided pump connectors are the standard of the industry for a rugged, versatile flex product to connect piping to vibrating mechanical equipment.

Series 401 & 402 stainless steel connectors combine 300 series corrugated stainless steel hose and braid with weld-on carbon steel end fittings for a high-pressure assembly. Standard connectors with stainless steel end fittings are also available. Unisource starts with a high corr-count inner hose for greater flexibility and better noise and vibration control efficiency. Many manufacturers utilize a less expensive wide-pitch corrugated hose. A tightly woven stainless steel braid provides high pressure ratings, even in high temperature heating water applications. In sizes 8" and larger, Unisource provides braided-braid reinforcing. This style of premium braiding translates to better strength and safety—vital considerations in large size pipelines where pressure thrust forces are greatest.

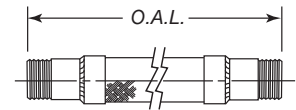
Series 401 threaded, and **Series 402 flanged** are made to traditional industry standard overall lengths. These connectors are designed to provide good efficiency for noise and vibration control. **Series 401-L** and **Series 402-L** are longer length connectors, built for even greater noise and vibration control, and a minimum of 2" permanent lateral offset.



Series 401 & 401-L

Hose & Braid: 300 Series Stainless Steel

Ends: Painted Carbon Steel Male NPT-welded to hose, braid & collar

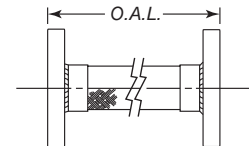


Size (Inches)	401 OAL (Inches)	401-L OAL (Inches)	WP @ 70° F (PSI)	WP @ 250° F (PSI)	Min. Bend Rad. Static (Inches)	Min. Bend Rad. Dynamic (Inches)	Max. Perm. Offset - 401 (Inches)	Max Perm. Offset - 401-L (Inches)	Approx Weight (Lbs)
1/2	6-1/2	10	990	911	1.75	7	0.38	2.0	0.4
3/4	7	11	750	690	2.5	9.5	0.38	2.0	0.5
1	8	12	605	557	3	11	0.38	2.0	0.8
1-1/4	8-1/2	13	570	524	4	12	0.38	2.0	1.0
1-1/2	9	14	410	377	5.5	13	0.38	2.0	1.3
2	10-1/2	15	455	419	7	16	0.38	2.0	2.0
2-1/2	12	N/A	345	317	8	18	0.38	N/A	5.0
3	14	N/A	290	267	10	22	0.38	N/A	8.0
4	16	N/A	250	230	13	26	0.38	N/A	13.0

Series 402 & 402-L

Hose & Braid: 300 Series Stainless Steel

Ends: Painted Carbon Steel 150# Plate Flanges



Size (Inches)	402 OAL (Inches)	402-L OAL (Inches)	WP @ 70° F (PSI)	WP @ 250° F (PSI)	Min. Bend Rad. Static (Inches)	Min. Bend Rad. Dynamic (Inches)	Max. Perm. Offset - 402 (Inches)	Max Perm. Offset - 402-L (Inches)	Approx Weight (Lbs)
1-1/2	9	N/A	410	377	5.5	13	0.38	N/A	10.0
2	9	N/A	455	419	7	16	0.38	N/A	12.0
2-1/2	9	12	345	317	8	18	0.38	2.0	13.5
3	9	13	290	267	10	22	0.38	2.0	15.0
4	9	14	250	230	13	26	0.38	2.0	21.0
5	11	15	200	184	17	34	0.38	2.0	29.0
6	11	16	210	193	19	41	0.38	2.0	33.0
8	12	18	190	175	23	50	0.38	2.0	60.0
10	13	22	150	138	29	67	0.38	2.0	81.0
12	14	N/A	140	129	34	70	0.38	N/A	108.0
14	14	N/A	150	138	42	79	0.38	N/A	118.0

Note: Sizes 8" and larger are constructed with braided-braid reinforcing.