



**ANNULAR CORRUGATED FLEXIBLE HOSE SS-321 / SS316L WITH SS-304 BRAIDING**

Part Number	Nominal Size Of Hose		Min. Bend Radius		Without Braid		SS304 Single Braid		SS304 Double Braid	
			Static	Flexing	Max. W.P.	T.P.	Max. W.P.	T.P.	Max. W.P.	T.P.
	Inch	mm	mm	mm	Bar	Bar	Bar	Bar	Bar	Bar
321-ANU-0025-S	1/4"	6	25	85	4	6	120	180	192	288
321-ANU-0031-S	5/16"	8	32	125	4	6	95	142.5	160	240
321-ANU-0038-S	3/8"	10	38	140	4	6	90	135	144	216
321-ANU-0050-S	1/2"	12	45	140	3	4.5	75	112.5	128	192
321-ANU-0063-S	5/8"	16	58	160	3	4.5	70	105	112	168
321-ANU-0075-S	3/4"	20	70	170	3	4.5	64	96	102	154
321-ANU-0100-S	1"	25	85	190	2	3	50	75	80	120
321-ANU-0125-S	1-1/4"	32	105	260	2	3	40	60	64	96
321-ANU-0150-S	1-1/2"	40	130	300	1	1.5	35	52.5	56	84
321-ANU-0200-S	2"	50	160	320	1	1.5	30	45	48	72
321-ANU-0250-S	2-1/2"	65	180	410	0.3	0.5	24	36	38.4	57.6
321-ANU-0300-S	3"	80	200	450	0.3	0.5	18	27	28.8	43.2
321-ANU-0400-S	4"	100	290	560	0.3	0.5	16	24	25.6	38
321-ANU-0500-S	5"	125	325	710	0.2	0.3	14	21	22.4	33.6
321-ANU-0600-S	6"	150	380	815	0.2	0.3	10	15	16	24
321-ANU-0800-S	8"	200	500	1015	0.2	0.3	8	12	12.8	19.2
321-ANU-1000-S	10"	250	620	1270	0.1	0.15	7.5	11	12	18
321-ANU-1200-S	12"	300	725	1525	0.1	0.15	6	9	9.6	14.4
321-ANU-1400-S	14"	350	889	1778	0.1	0.15	4.4	6.6	7	10.5

\*\* The above pressure ratings are for fluid and ambient temperature of 20° C. (Working Temperature Range = -200 ° C to +400 ° C)

## Temperature Correction Factor

When hoses are required at higher temperature then working pressure of hose particular size we can calculate by the following table

Tempature degree C	-200	-150	-100	-50	0	20	50	100	150	200
Factor	1.0	1.0	1.0	1.0	1.0	1.0	0.92	0.83	0.75	0.69

Tempature degree C	250	300	350	400	450	500	550	600	650	700
Factor	0.65	0.61	0.58	0.56	0.54	0.53	0.52	0.34	0.19	0.10

For example 100mm NB Hose required working pressure 12 Bar at 200 degree celcius

Specified working pressure in the table 18 bar at ambient temperature.

Correction factor 0.69 in the table, then working pressure will be  $0.69 \times 18 = 12.4$  bar