

MODEL 75N

NYLON PLASTIC FLEXIBLE COUPLING

(GROOVED TYPE)

The Model SP-75N is designed to avoid corrosion problems in low pressure piping systems. The couplings are manufactured in high quality reinforced nylon injection molded at a high temperature, giving the couplings high strength, toughness, and very good corrosion resistance. They have been widely used in ultrafiltration (UF) pretreatment for seawater dealination.



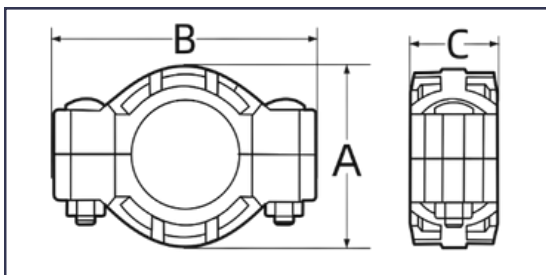
PRODUCTS FEATURE:

- Thread-to-Connect Design
- Double Shut-Off Poppet Valve
- Positive Valve Alignment
- High Pressure Rating
- Fire-Safe Options
- Connects Under Residual Pressure
- Heavy-Duty Construction
- Versatile Port Options

Nylon Thermo Plastic

Stainless Steel

EPDM



MATERIAL SPECIFICATION

HOUSING: **NYLON**
Maximum Working Pressure: **300 PSI (21 bar)**



Rubber Gaskets:

✓ The gasket seals is C-shaped, made of standard gasket EPDM(ethylene propylene diene monomer) for cold water, hot water, dilute acid, oil-free air and multiple chemical product (-30~110°C). It is not suitable for medium like petroleum.



Bolts:

✓ Type 304 stainless steel track bolts to ASTM F593
 ✓ Type 316 stainless steel track bolts to ASTM A193



Nuts:

✓ Type 304 stainless steel nuts to ASTM F594
 ✓ Type 316 stainless steel nuts to ASTM A194

Nominal Size	Pipe OD	Max.Working Pressures	Pipe End Separation	Dimensions			
mm	mm	psi	mm	A	B	C	Weight
in	in	bar	in	mm	mm	mm	kgs
				in	in	in	lbs
25	33.40	300	0-1.6	61	95	44	0.232
1	1.315	20.67	0-0.06	2.402	3.740	1.732	0.511
32	42.20	300	0-1.6	73	130	44	0.260
1.25	1.660	20.67	0-0.06	2.874	5.118	1.732	0.572
40	48.30	300	0-1.6	79	121	44	0.351
1.5	1.900	20.67	0-0.06	3.110	4.764	1.732	0.773
50	60.30	300	0-1.6	91	135	45	0.417
2	2.375	20.67	0-0.06	3.583	5.315	1.772	0.918
65	73.00	300	0-1.6	104	145	45	0.452
2.5	2.875	20.67	0-0.06	4.094	5.709	1.772	0.995
65	76.10	300	0-1.6	108	148	45	0.500
	3.000	20.67	0-0.06	4.252	5.827	1.772	1.100
80	88.90	300	0-1.6	125	166	45	0.531
3	3.500	20.67	0-0.06	4.921	6.535	1.772	1.169
100	114.30	200	0-3.2	157.4	207	52	0.600
4	4.500	13.78	0-0.13	6.197	8.150	2.047	1.320
125	141.30	200	0-3.2	192	248	52	1.150
5	5.563	13.78	0-0.13	7.559	9.764	2.047	2.530
150	168.30	200	0-3.2	227	282	52	1.610
6	6.625	13.78	0-0.13	8.937	11.102	2.047	3.542
200	219.10	150	0-3.2	281	244	64	3.050
8	8.625	10.33	0-0.13	11.063	9.606	2.520	6.710

COMMON APPLICATIONS



Oil and Gas Industry

Ideal for hydraulic systems on offshore drilling rigs, including Blowout Preventer (BOP) systems, where the API 16D "Fire Safe" versions are often employed



Construction Equipment

Used in cranes, power tongs, and horizontal boring machines, facilitating reliable hydraulic connections in heavy machinery.



Industrial Hydraulics

Applicable in high-pressure hydraulic systems requiring secure, leak-free connections that can be made under residual pressure.



Dewatering Operations

Employed in systems where efficient fluid transfer under pressure is necessary.

