



TENSIONER TOTIGHT ALUMINIUM TEST PLUG

DATA SHEET

Lightweight, mechanically expandable sealing and low-pressure testing solution with multi-point stabilization for large-diameter pipelines.



**0.2 TO 1.0
BAR**

BACK
PRESSURE



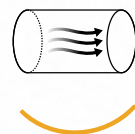
**-20°C TO
+80°C**

OPERATING
TEMPERATURE



**325 MM TO
2000 MM**

NOMINAL
SIZE RANGE



2" BYPASS

STANDARD
CONNECTION



**LIGHTWEIGHT
CONSTRUCTION**



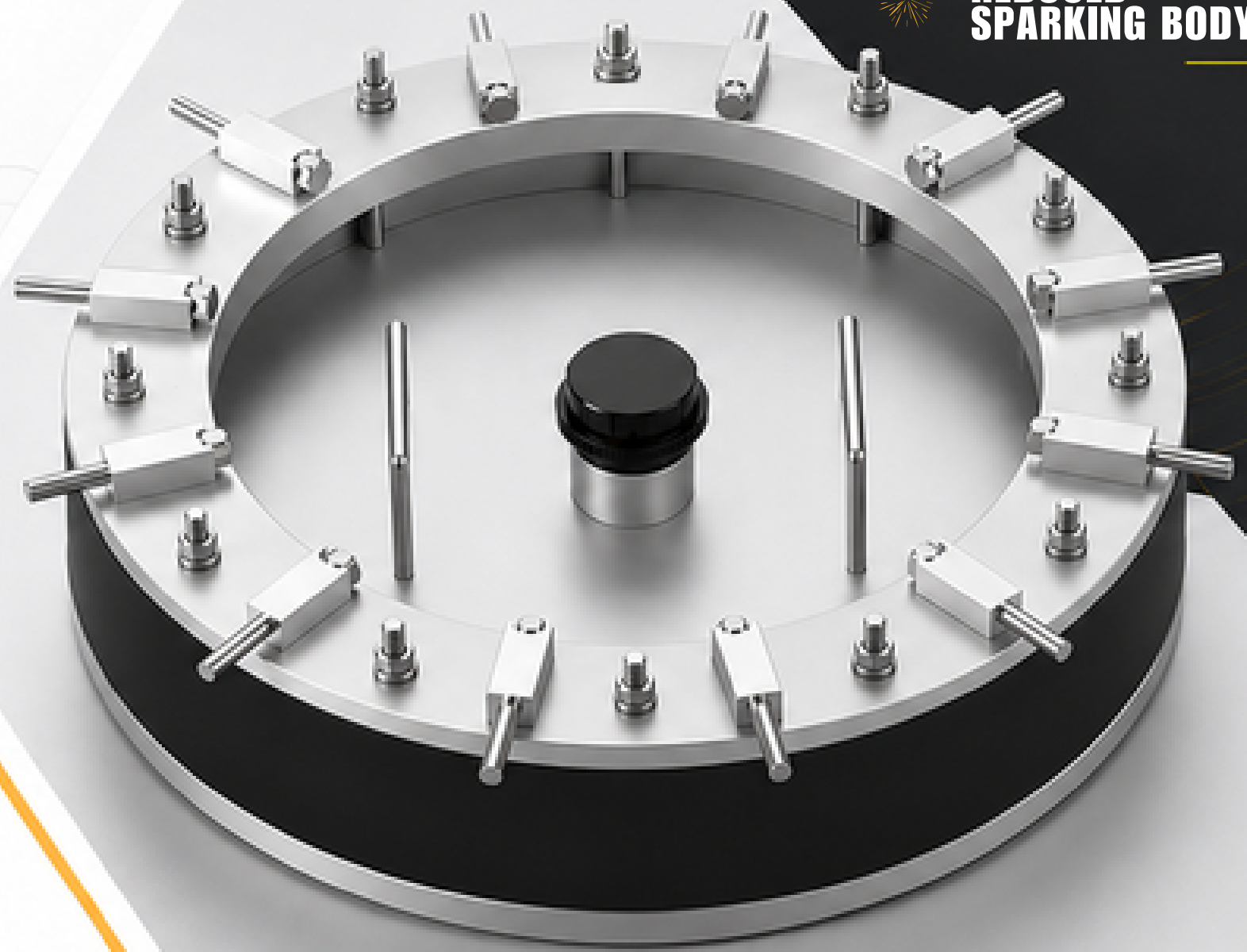
WITH BYPASS



ENHANCED STABILITY



**REDUCED-
SPARKING BODY**



BUILT TO SEAL. TESTED TO TRUST.

WWW.PLUGLINE.NET

TENSIONER TOTLIGHT ALUMINIUM TEST PLUG

LIGHTWEIGHT CONSTRUCTION. LARGE-DIAMETER SEALING.

The Plugline Tensioner Totlight Aluminium Test Plug is a mechanically expandable solution for temporary sealing, pipeline isolation and low-pressure testing of large-diameter pipelines.

Vertical compression bolts draw the aluminium plates together, compressing the elastomeric sealing element and expanding it radially against the pipe wall. Adjustable horizontal perimeter bolts press against the wall to assist centring, improve grip and reduce movement during operation.

Its lightweight aluminium construction simplifies handling compared with the steel model, while the standard 2-inch bypass supports controlled filling, venting, draining and pressure release. Available in nominal sizes from 325 mm to 2000 mm, it offers rated back-pressure resistance from 0.2 bar to 1.0 bar depending on the model.

FEATURES

BACK-PRESSURE RESISTANCE

From 0.2 bar to 1.0 bar, depending on the selected model.

LARGE-DIAMETER RANGE

Nominal sizes from 325 mm to 2000 mm.

MULTI-BOLT COMPRESSION SYSTEM

Vertical compression bolts provide controlled and distributed compression of the elastomeric sealing element.

PERIPHERAL STABILIZING SYSTEM

Adjustable horizontal bolts assist centring, increase grip and reduce plug movement inside the pipe.

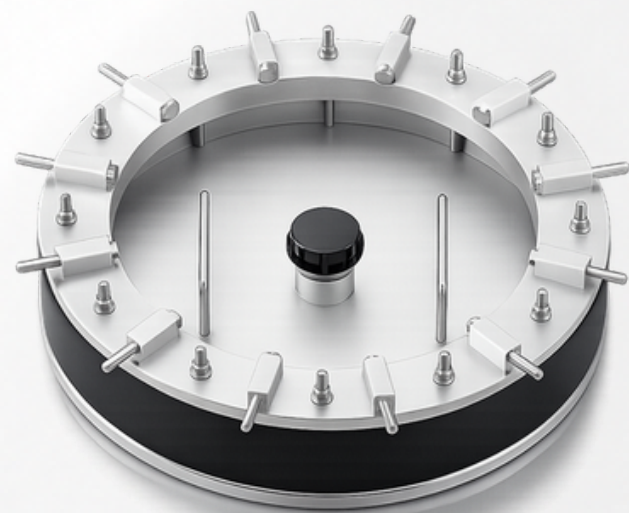
STANDARD 2" BYPASS

Supports controlled filling, venting, draining and pressure release.

REDUCED-SPARKING ALUMINIUM BODY

The non-ferrous aluminium construction reduces conventional steel-on-steel sparking potential and is suitable for selected oil and gas pipeline applications, subject to an application-specific safety assessment.

SEALING TODAY.
PROTECTING TOMOTTOW



APPLICATIONS

- Large-diameter water and wastewater pipelines
- Sewer and stormwater systems
- Pipeline testing and leak detection
- Temporary pipeline isolation
- Maintenance and repair operations
- Selected oil and gas pipeline applications
- Industrial and municipal pipeline projects

TECHNICAL SPECIFICATIONS

Nominal Size Range	325 mm–2000 mm
Applicable Pipe I.D. Range	315 mm–2030 mm, depending on model
Plug Diameter Range	310 mm–1985 mm
Rated Back Pressure	0.2–1.0 bar / 2.9–14.5 psi
Body Material	Aluminium
Compression Mechanism	Vertical multi-bolt flange compression system
Stabilizing Mechanism	Adjustable horizontal perimeter bolts
Sealing Method	Radial expansion through axial seal compression
Bypass Connection	2" standard
Product Length	130–215 mm, depending on model
Product Weight	7.02–162.91 kg, depending on model
Customization	Available according to application requirements

PRODUCT RANGE

Product Code	Nominal Size (mm)	Min. Pipe Inner Dia. to be tested (mm/inch)	Max. Pipe Inner Dia. to be tested (mm/inch)	Product Diameter (mm/inch)	SCH STD Pipe Inner Diameter (mm/inch)	Back Pressure (bar/psi)	Bypass Diameter (inch)	Product Length (mm/inch)	Product Weight (kg/lbs)
TTATP325	325	315mm/12.4"	355mm/13.98"	310mm/12.2"	-	1bar/14.5psi	50,80mm/ 2"	130mm/5.12"	7.02kg/15.48lbs
TTATP350	350	337mm/13.27"	380mm/14.96"	335mm/13.19"	336,54mm/13.25"	1bar/14.5psi	50,80mm/ 2"	130mm/5.12"	7.72kg/17.02lbs
TTATP375	375	365mm/14.37"	405mm/15.94"	360mm/14.17"	-	1bar/14.5psi	50,80mm/ 2"	130mm/5.12"	8.46kg/18.64lbs
TTATP400	400	387mm/15.24"	430mm/16.93"	385mm/15.16"	387,34mm/15.25"	1bar/14.5psi	50,80mm/ 2"	130mm/5.12"	9.22kg/20.32lbs
TTATP425	425	415mm/16.34"	455mm/17.91"	410mm/16.14"	-	1bar/14.5psi	50,80mm/ 2"	130mm/5.12"	10.02kg/22.08lbs
TTATP450	450	439mm/17.28"	480mm/18.9"	435mm/17.13"	437,94mm/17.24"	0,6bar/8.7psi	50,80mm/ 2"	130mm/5.12"	10,85kg/23.9lbs
TTATP475	475	465mm/18.31"	505mm/19.88"	460mm/18.11"	-	0,6bar/8.7psi	50,80mm/ 2"	130mm/5.12"	11.77kg/25.94lbs
TTATP500	500	489mm/19.25"	530mm/20.87"	485mm/19.09"	488,94mm/19.25"	0,6bar/8.7psi	50,80mm/ 2"	130mm/5.12"	12,66kg/27.91lbs
TTATP525	525	515mm/20.28"	555mm/21.85"	510mm/20.08"	-	0,6bar/8.7psi	50,80mm/ 2"	130mm/5.12"	13.59kg/29.95lbs
TTATP550	550	540mm/21.26"	580mm/22.83"	535mm/21.06"	539,94mm/21.26"	0,4bar/5.8psi	50,80mm/ 2"	130mm/5.12"	14,56kg/32.09lbs
TTATP575	575	565mm/22.24"	605mm/23.82"	560mm/22.05"	-	0,4bar/5.8psi	50,80mm/ 2"	130mm/5.12"	15,53kg/34.24lbs
TTATP600	600	590mm/23.23"	630mm/24.8"	585mm/23.03"	590,94mm/23.27"	0,4bar/5.8psi	50,80mm/ 2"	130mm/5.12"	16,55kg/36.49lbs
TTATP625	625	615mm/24.21"	655mm/25.79"	610mm/24.02"	-	0,4bar/5.8psi	50,80mm/ 2"	130mm/5.12"	17,74kg/39.09lbs
TTATP650	650	640mm/25.2"	680mm/26.77"	635mm/25"	640,94mm/25.23"	0,4bar/5.8psi	50,80mm/ 2"	130mm/5.12"	18,82kg/41.48lbs
TTATP675	675	665mm/26.18"	705mm/27.76"	660mm/25.98"	-	0,4bar/5.8psi	50,80mm/ 2"	130mm/5.12"	19,94kg/43.94lbs
TTATP700	700	690mm/27.17"	730mm/28.74"	685mm/26.97"	691,94mm/27.24"	0,4bar/5.8psi	50,80mm/ 2"	130mm/5.12"	21,08kg/46.47lbs
TTATP725	725	715mm/28.15"	755mm/29.72"	710mm/27.95"	-	0,4bar/5.8psi	50,80mm/ 2"	130mm/5.12"	22,26kg/49.07lbs
TTATP750	750	740mm/29.13"	780mm/30.71"	735mm/28.94"	742,94mm/29.25"	0,4bar/5.8psi	50,80mm/ 2"	130mm/5.12"	24,17kg/53.27lbs
TTATP775	775	765mm/30.12"	805mm/31.69"	760mm/29.92"	-	0,4bar/5.8psi	50,80mm/ 2"	130mm/5.12"	27,03kg/59.58lbs
TTATP800	800	790mm/31.1"	830mm/32.68"	785mm/30.91"	793,94mm/31.26"	0,4bar/5.8psi	50,80mm/ 2"	130mm/5.12"	28,38kg/62.56lbs
TTATP825	825	815mm/32.09"	855mm/33.66"	810mm/31.89"	-	0,4bar/5.8psi	50,80mm/ 2"	130mm/5.12"	29,77kg/65.61lbs
TTATP850	850	840mm/33.07"	880mm/34.65"	835mm/32.87"	844,94mm/33.27"	0,4bar/5.8psi	50,80mm/ 2"	130mm/5.12"	31,17kg/68.71lbs
TTATP875	875	865mm/34.06"	905mm/35.63"	860mm/33.86"	-	0,4bar/5.8psi	50,80mm/ 2"	130mm/5.12"	32,63kg/71.92lbs
TTATP900	900	890mm/35.04"	930mm/36.61"	885mm/34.84"	894,94mm/35.23"	0,4bar/5.8psi	50,80mm/ 2"	130mm/5.12"	34,16kg/75.29lbs
TTATP925	925	915mm/36.02"	955mm/37.6"	910mm/35.83"	-	0,4bar/5.8psi	50,80mm/ 2"	130mm/5.12"	35,62kg/78.51lbs
TTATP950	950	940mm/37.01"	980mm/38.58"	935mm/36.81"	945,94mm/37.24"	0,4bar/5.8psi	50,80mm/ 2"	130mm/5.12"	39,49kg/87.04lbs
TTATP975	975	965mm/37.99"	1005mm/39.57"	960mm/37.8"	-	0,4bar/5.8psi	50,80mm/ 2"	130mm/5.12"	41,13kg/90.65lbs
TTATP1000	1000	990mm/38.98"	1030mm/40.55"	985mm/38.78"	996,94mm/39.25"	0,4bar/5.8psi	50,80mm/ 2"	150mm/5.91"	44,9kg/98.95lbs
TTATP1025	1025	1015mm/39.96"	1055mm/41.54"	1010mm/39.76"	-	0,2bar/2.9psi	50,80mm/ 2"	150mm/5.91"	46,49kg/102.47lbs
TTATP1050	1050	1040mm/40.94"	1080mm/42.52"	1035mm/40.75"	1047,94mm/41.26"	0,2bar/2.9psi	50,80mm/ 2"	150mm/5.91"	48,16kg/106.14lbs
TTATP1075	1075	1065mm/41.93"	1105mm/43.5"	1060mm/41.73"	-	0,2bar/2.9psi	50,80mm/ 2"	150mm/5.91"	49,95kg/110.09lbs
TTATP1100	1100	1090mm/42.91"	1130mm/44.49"	1085mm/42.72"	1098,94mm/43.27"	0,2bar/2.9psi	50,80mm/ 2"	150mm/5.91"	52,24kg/115.13lbs
TTATP1125	1125	1115mm/43.9"	1155mm/45.47"	1110mm/43.7"	-	0,2bar/2.9psi	50,80mm/ 2"	150mm/5.91"	53,98kg/118.98lbs
TTATP1150	1150	1140mm/44.88"	1180mm/46.46"	1135mm/44.69"	1148,94mm/45.23"	0,2bar/2.9psi	50,80mm/ 2"	150mm/5.91"	55,95kg/123.31lbs
TTATP1175	1175	1165mm/45.87"	1205mm/47.44"	1160mm/45.67"	-	0,2bar/2.9psi	50,80mm/ 2"	150mm/5.91"	57,74kg/127.27lbs
TTATP1200	1200	1190mm/46.85"	1230mm/48.43"	1185mm/46.65"	1199,94mm/47.24"	0,2bar/2.9psi	50,80mm/ 2"	150mm/5.91"	59,54kg/131.22lbs
TTATP1225	1225	1215mm/47.83"	1255mm/49.41"	1210mm/47.64"	-	0,2bar/2.9psi	50,80mm/ 2"	150mm/5.91"	61,7kg/135.99lbs
TTATP1250	1250	1240mm/48.82"	1280mm/50.39"	1235mm/48.62"	-	0,2bar/2.9psi	50,80mm/ 2"	150mm/5.91"	63,41kg/139.75lbs
TTATP1275	1275	1265mm/49.8"	1305mm/51.38"	1260mm/49.61"	-	0,2bar/2.9psi	50,80mm/ 2"	150mm/5.91"	65,76kg/144.93lbs
TTATP1300	1300	1290mm/50.79"	1330mm/52.36"	1285mm/50.59"	-	0,2bar/2.9psi	50,80mm/ 2"	150mm/5.91"	67,52kg/148.8lbs
TTATP1325	1325	1315mm/51.77"	1355mm/53.35"	1310mm/51.57"	-	0,2bar/2.9psi	50,80mm/ 2"	150mm/5.91"	69,35kg/152.85lbs
TTATP1350	1350	1340mm/52.76"	1380mm/54.33"	1335mm/52.56"	-	0,2bar/2.9psi	50,80mm/ 2"	150mm/5.91"	73,44kg/161.87lbs
TTATP1375	1375	1365mm/53.74"	1405mm/55.31"	1360mm/53.54"	-	0,2bar/2.9psi	50,80mm/ 2"	150mm/5.91"	75,61kg/166.64lbs
TTATP1400	1400	1390mm/54.72"	1430mm/56.3"	1385mm/54.53"	-	0,2bar/2.9psi	50,80mm/ 2"	150mm/5.91"	77,58kg/170.98lbs
TTATP1425	1425	1415mm/55.71"	1455mm/57.28"	1410mm/55.51"	-	0,2bar/2.9psi	50,80mm/ 2"	150mm/5.91"	79,76kg/175.78lbs
TTATP1450	1450	1440mm/56.69"	1480mm/58.27"	1435mm/56.5"	-	0,2bar/2.9psi	50,80mm/ 2"	150mm/5.91"	81,83kg/180.35lbs
TTATP1475	1475	1465mm/57.68"	1505mm/59.25"	1460mm/57.48"	-	0,2bar/2.9psi	50,80mm/ 2"	150mm/5.91"	81,9kg/180.52lbs
TTATP1500	1500	1490mm/58.66"	1530mm/60.24"	1485mm/58.46"	-	0,2bar/2.9psi	50,80mm/ 2"	195mm/7.68"	86,41kg/190.45lbs
TTATP1525	1525	1515mm/59.65"	1555mm/61.22"	1510mm/59.45"	-	0,2bar/2.9psi	50,80mm/ 2"	195mm/7.68"	88,1kg/194.16lbs
TTATP1550	1550	1540mm/60.63"	1580mm/62.2"	1535mm/60.43"	-	0,2bar/2.9psi	50,80mm/ 2"	195mm/7.68"	90,29kg/199lbs
TTATP1575	1575	1565mm/61.61"	1605mm/63.19"	1560mm/61.42"	-	0,2bar/2.9psi	50,80mm/ 2"	195mm/7.68"	92,86kg/204.66lbs
TTATP1600	1600	1590mm/62.6"	1630mm/64.17"	1585mm/62.4"	-	0,2bar/2.9psi	50,80mm/ 2"	195mm/7.68"	94,43kg/208.12lbs
TTATP1625	1625	1615mm/63.58"	1655mm/65.16"	1610mm/63.39"	-	0,2bar/2.9psi	50,80mm/ 2"	195mm/7.68"	95,24kg/209.9lbs
TTATP1650	1650	1640mm/64.57"	1680mm/66.14"	1635mm/64.37"	-	0,2bar/2.9psi	50,80mm/ 2"	195mm/7.68"	96,23kg/212.09lbs
TTATP1675	1675	1665mm/65.55"	1705mm/67.13"	1660mm/65.35"	-	0,2bar/2.9psi	50,80mm/ 2"	195mm/7.68"	100kg/220.4lbs
TTATP1700	1700	1690mm/66.54"	1730mm/68.11"	1685mm/66.34"	-	0,2bar/2.9psi	50,80mm/ 2"	195mm/7.68"	103,19kg/227.44lbs
TTATP1725	1725	1715mm/67.52"	1755mm/69.09"	1710mm/67.32"	-	0,2bar/2.9psi	50,80mm/ 2"	195mm/7.68"	104,76kg/230.9lbs
TTATP1750	1750	1740mm/68.5"	1780mm/70.08"	1735mm/68.31"	-	0,2bar/2.9psi	50,80mm/ 2"	195mm/7.68"	128,58kg/283.39lbs
TTATP1775	1775	1765mm/69.49"	1805mm/71.06"	1760mm/69.29"	-	0,2bar/2.9psi	50,80mm/ 2"	195mm/7.68"	132,38kg/291.77lbs
TTATP1800	1800	1790mm/70.47"	1830mm/72.05"	1785mm/70.28"	-	0,2bar/2.9psi	50,80mm/ 2"	215mm/8.46"	136,64kg/301.16lbs
TTATP1825	1825	1815mm/71.46"	1855mm/73.03"	1810mm/71.26"	-	0,2bar/2.9psi	50,80mm/ 2"	215mm/8.46"	140kg/308.56lbs
TTATP1850	1850	1840mm/72.44"	1880mm/74.02"	1835mm/72.24"	-	0,2bar/2.9psi	50,80mm/ 2"	215mm/8.46"	143,34kg/315.92lbs
TTATP1875	1875	1865mm/73.43"	1905mm/75"	1860mm/73.23"	-	0,2bar/2.9psi	50,80mm/ 2"	215mm/8.46"	144,76kg/319.06lbs
TTATP1900	1900	1890mm/74.41"	1930mm/75.98"	1885mm/74.21"	-	0,2bar/2.9psi	50,80mm/ 2"	215mm/8.46"	147,87kg/325.91lbs
TTATP1925	1925	1915mm/75.39"	1955mm/76.97"	1910mm/75.2"	-	0,2bar/2.9psi	50,80mm/ 2"	215mm/8.46"	151,43kg/333.75lbs
TTATP1950	1950	1940mm/76.38"	1980mm/77.95"	1935mm/76.18"	-	0,2bar/2.9psi	50,80mm/ 2"	215mm/8.46"	155,42kg/342.56lbs
TTATP1975	1975	1965mm/77.36"	2005mm/78.94"	1960mm/77.17"	-	0,2bar/2.9psi	50,80mm/ 2"	215mm/8.46"	159,13kg/350.72lbs
TTATP2000	2000	1990mm/78.35"	2030mm/79.92"	1985mm/78.15"	-	0,2bar/2.9psi	50,80mm/ 2"	215mm/8.46"	162,91kg/359.04lbs

*Other sizes and custom pressure ratings available upon request.

