



## Spheres

### For cleaning, batching and hydrostatic testing of pipelines

Our spheres are compression moulded, which guarantees both uniform density and wall strength. These characteristics are most important to maintain a circular form of the sphere and this will maximize the seal and minimize the wear.

The spheres will pass through short bends, properly designed tees and full conduit valves and are used for meter-prover service, batching, cleaning or hydrostatic testing.

- Solid spheres are available in 1½ " through 4".
- Inflatable sphere area available in 4" through 42".
- We supply sphere in neoprene, nitrile and polyurethane.
- The required accessories can be ordered separately.

## Dimensions and weight

Sphere type	Minimum	Maximum	Durometer	Recommended Use
Neoprene	-20 Deg. F (-29 Deg. C)	280 Deg. F (138 Deg. C)	60 +/- 5Shore A	General purpose, pipeline, hydrocarbon & chemical service
Nitrile	-15 Deg. F (-25 Deg. C)	212 Deg. F (100 Deg. C)	60 +/- 5Shore A	Exposure to n-octane, hydrocarbons & petroleum gas, water, gasoline, and diesel oil
Hi-Temp Nitrile	-15 Deg. F (-25 Deg. C)	325 Deg. F (162 Deg. C)	70 +/- 5Shore A	For use in geothermal applications, hot asphalt pipelines and general pipeline service in elevated conditions
Polyurethane U-53 (Yellow)	-20 Deg. F (-29 Deg. C)	in oil 170 Deg. F (77 Deg. C) in water 140 Deg. F (60 Deg. C)	53 +/- 5Shore A	Meter prover service, low temperature distillate removal service
Polyurethane U-58 (Green)	0 Deg. F. (-18 Deg. C)	in oil 170 Deg. F (77 Deg. C) in water 140 Deg. F (60 Deg. C)	58 +/- 5Shore A	Gas distillate removal at greater than 600psi. Long line distillate removal service where temperatures are 60 Deg. F. or greater
Polyurethane U-66 (Red)	0 Deg. F. (-18 Deg. C)	in oil 170 Deg. F (77 Deg. C) in water 140 Deg. F (60 Deg. C)	66 +/- 5Shore A	Gas distillate removal at greater than 600psi. General pipeline usage for situations requiring long runs or when pipeline is especially rough
Polyurethane U-88 (Blue)	0 Deg. F. (-18 Deg. C)	170 Deg. F (77 Deg. C)	88 +/- 5Shore A	For heavy duty removal of liquid hydrocarbons and condensates, and for pipelines with highly corrosive products

D	Diameter (mm)	Wall thickness (mm)	Weight empty (kg)
1.50"	41	-	0.05
1.75"	46	-	0.10
2.00"	53	-	0.15
2.50"	64	-	0.25
3.00"	79	-	0.45
4.00"	104	-	0.90
4.00"	104	19	0.80
6.00"	149	35	2.30
6.25"	158	46	2.50
8.00"	201	41	5.00
8.25"	208	45	6.00
10.00"	254	51	10.00
12.00"	307	51	15.00
14.00"	333	57	19.00
16.00"	389	64	29.00
18.00"	439	64	38.00
20.00"	490	76	58.00
22.00"	541	76	69.00
24.00"	592	76	88.00
26.00"	635	76	107.00
28.00"	681	76	148.00
30.00"	737	89	174.00
32.00"	787	89	189.00
34.00"	838	95	230.00
36.00"	889	102	276.00
40.00"	991	108	373.00
42.00"	991	108	373.00