

Product Data Sheet

Product : Static Spray Balls

Type : UAA

... Tank Cleaning Technology since 1925



Butterworth Static Spray Balls are simple, fast, and efficient devices for the cleaning of the inside of tanks in a variety of industries. All units are self cleaning and available in a variety of spray patterns and surface finishes.

In Application:

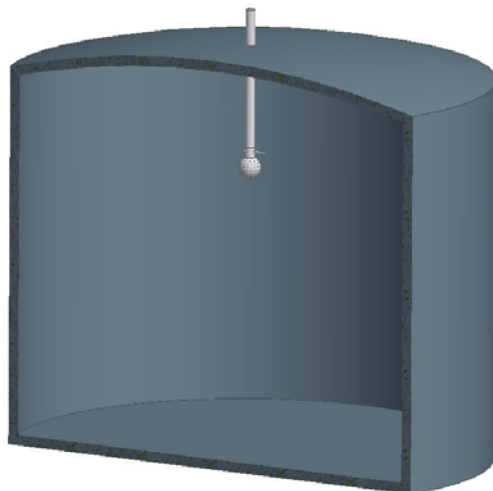
Static Spray Balls can be used in hygienic and non-hygienic applications.

Typical Industries Served:

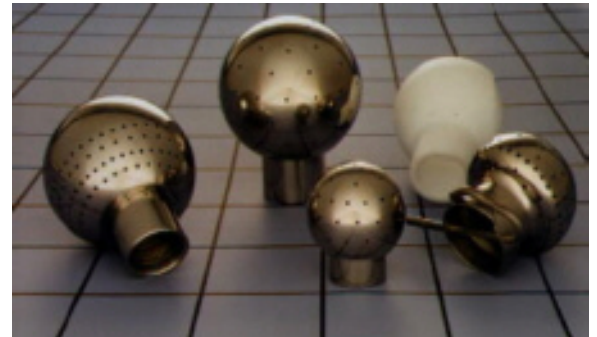
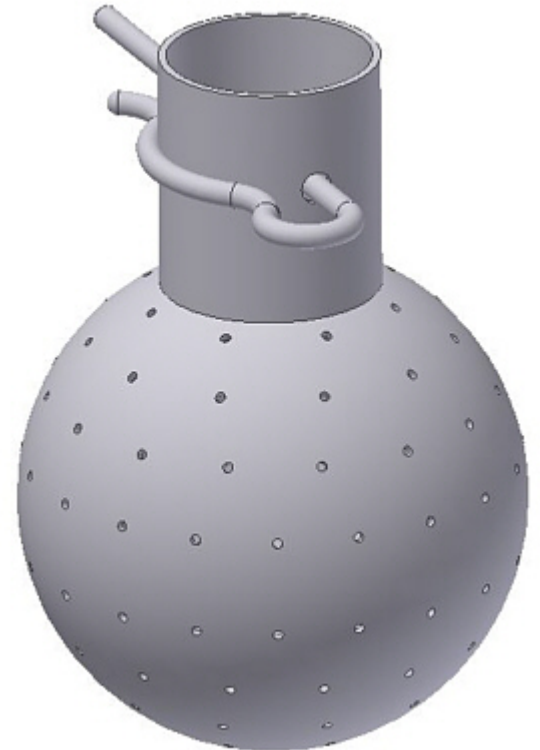
- Food
- Dairy
- Pharmaceutical
- Cosmetic
- Biotech
- Chemical
- Beverage

In Operation:

Static Spray Balls project a predetermined spray pattern based on the drilling arrangement of the holes within the ball. Typically, cleaning is accomplished by creating the desired coverage and cascading effect required for the relative cleaning task.



Typical Installation



General Specifications

Materials Of Construction

- 316L Stainless Steel as Standard
- Teflon and Hastelloy on Request

Pressure/Flow Range

- 0 - 100 PSIG (7 Bar)
- 0 - 500 GPM (113 M³/Hr)

Inlet Connections:

- Threaded (NPT, BSP and Others)
- Clip-On
- Weld Joint

Product Data Sheet

Product : Static Spray Balls

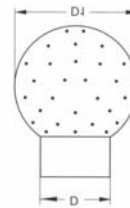
Type : UAA

... Tank Cleaning Technology since 1925



Part Number and Specification Table

P/N	D	D1	Pressure/Flow Coverage				Connection	Finish	Spray Radius
			WR Inches @15	PSI					
				15	22	30			
UAA1228B31ZN	0.250"	1.09375"	40	8	10	12	NPT(F)	≤ 32 Ra μ	360°
UAA2040B31ZD	0.500"	1.56250"	75	17	20	24	Clip-On Tube	≤ 32 Ra μ	360°
UAA2040B31ZN	0.500"	1.56250"	75	17	20	24	NPT(F)	≤ 32 Ra μ	360°
UAA2041B31ZD	0.500"	1.56250"	90	22	23	27	Clip-On Tube	≤ 32 Ra μ	360°
UAA2041B31ZN	0.500"	1.56250"	90	22	23	27	NPT(F)	≤ 32 Ra μ	360°
UAA2050B31ZD	0.500"	2.00000"	65	24	29	34	Clip-On Tube	≤ 32 Ra μ	360°
UAA2050B31ZN	0.500"	2.00000"	65	24	29	34	NPT(F)	≤ 32 Ra μ	360°
UAA2465B31ZD	0.750"	2.56250"	50	58	72	82	Clip-On Tube	≤ 32 Ra μ	360°
UAA2465B31ZN	0.750"	2.56250"	50	58	72	82	NPT(F)	≤ 32 Ra μ	360°
UAA2650B31ZD	1.000"	2.00000"	90	32	39	45	Clip-On Tube	≤ 32 Ra μ	360°
UAA2650B31ZN	1.000"	2.00000"	90	32	39	45	NPT(F)	≤ 32 Ra μ	360°
UAA2666B31ZD	1.000"	2.56250"	60	38	47	54	Clip-On Tube	≤ 32 Ra μ	360°
UAA2666B31ZN	1.000"	2.56250"	60	38	47	54	NPT(F)	≤ 32 Ra μ	360°
UAA3066B31ZD	1.250"	2.56250"	50	34	42	49	Clip-On Tube	≤ 32 Ra μ	360°
UAA3066B31ZN	1.250"	2.56250"	50	34	42	49	NPT(F)	≤ 32 Ra μ	360°
UAA3690B31ZD	1.500"	3.53125"	45	107	131	151	Clip-On Tube	≤ 32 Ra μ	360°
UAA3690B31ZN	1.500"	3.53125"	45	107	131	151	NPT(F)	≤ 32 Ra μ	360°
UAA3990B31ZD	1.500"	3.56250"	70	132	161	186	Clip-On Tube	≤ 32 Ra μ	360°
UAA3990B31ZN	1.500"	3.56250"	70	132	161	186	NPT(F)	≤ 32 Ra μ	360°
UAA1228B31TN	0.250"	1.09375"	40	8	10	12	NPT(F)	≤ 32 Ra μ	180° Up
UAA2040B31TD	0.500"	1.56250"	75	17	20	24	Clip-On Tube	≤ 32 Ra μ	180° Up
UAA2040B31TN	0.500"	1.56250"	75	17	20	24	NPT(F)	≤ 32 Ra μ	180° Up
UAA2041B31TD	0.500"	1.56250"	90	22	23	27	Clip-On Tube	≤ 32 Ra μ	180° Up
UAA2041B31TN	0.500"	1.56250"	90	22	23	27	NPT(F)	≤ 32 Ra μ	180° Up
UAA2050B31TD	0.500"	2.00000"	65	24	29	34	Clip-On Tube	≤ 32 Ra μ	180° Up
UAA2050B31TN	0.500"	2.00000"	65	24	29	34	NPT(F)	≤ 32 Ra μ	180° Up
UAA2465B31TD	0.750"	2.56250"	50	58	72	82	Clip-On Tube	≤ 32 Ra μ	180° Up
UAA2465B31TN	0.750"	2.56250"	50	58	72	82	NPT(F)	≤ 32 Ra μ	180° Up
UAA2650B31TD	1.000"	2.00000"	90	32	39	45	Clip-On Tube	≤ 32 Ra μ	180° Up
UAA2650B31TN	1.000"	2.00000"	90	32	39	45	NPT(F)	≤ 32 Ra μ	180° Up
UAA2666B31TD	1.000"	2.56250"	60	38	47	54	Clip-On Tube	≤ 32 Ra μ	180° Up
UAA2666B31TN	1.000"	2.56250"	60	38	47	54	NPT(F)	≤ 32 Ra μ	180° Up
UAA3066B31TD	1.250"	2.56250"	50	34	42	49	Clip-On Tube	≤ 32 Ra μ	180° Up
UAA3066B31TN	1.250"	2.56250"	50	34	42	49	NPT(F)	≤ 32 Ra μ	180° Up
UAA3690B31TD	1.500"	3.53125"	45	107	131	151	Clip-On Tube	≤ 32 Ra μ	180° Up
UAA3690B31TN	1.500"	3.53125"	45	107	131	151	NPT(F)	≤ 32 Ra μ	180° Up
UAA3990B31TD	1.500"	3.56250"	70	132	161	186	Clip-On Tube	≤ 32 Ra μ	180° Up
UAA3990B31TN	1.500"	3.56250"	70	132	161	186	NPT(F)	≤ 32 Ra μ	180° Up
UAA1228B31SN	0.250"	1.09375"	40	8	10	12	NPT(F)	≤ 32 Ra μ	180° Dn
UAA2040B31SD	0.500"	1.56250"	75	17	20	24	Clip-On Tube	≤ 32 Ra μ	180° Dn
UAA2040B31SN	0.500"	1.56250"	75	17	20	24	NPT(F)	≤ 32 Ra μ	180° Dn
UAA2041B31SD	0.500"	1.56250"	90	22	23	27	Clip-On Tube	≤ 32 Ra μ	180° Dn
UAA2041B31SN	0.500"	1.56250"	90	22	23	27	NPT(F)	≤ 32 Ra μ	180° Dn
UAA2050B31SD	0.500"	2.00000"	65	24	29	34	Clip-On Tube	≤ 32 Ra μ	180° Dn
UAA2050B31SN	0.500"	2.00000"	65	24	29	34	NPT(F)	≤ 32 Ra μ	180° Dn
UAA2465B31SD	0.750"	2.56250"	50	58	72	82	Clip-On Tube	≤ 32 Ra μ	180° Dn
UAA2465B31SN	0.750"	2.56250"	50	58	72	82	NPT(F)	≤ 32 Ra μ	180° Dn
UAA2650B31SD	1.000"	2.00000"	90	32	39	45	Clip-On Tube	≤ 32 Ra μ	180° Dn
UAA2650B31SN	1.000"	2.00000"	90	32	39	45	NPT(F)	≤ 32 Ra μ	180° Dn
UAA2666B31SD	1.000"	2.56250"	60	38	47	54	Clip-On Tube	≤ 32 Ra μ	180° Dn
UAA2666B31SN	1.000"	2.56250"	60	38	47	54	NPT(F)	≤ 32 Ra μ	180° Dn
UAA3066B31SD	1.250"	2.56250"	50	34	42	49	Clip-On Tube	≤ 32 Ra μ	180° Dn
UAA3066B31SN	1.250"	2.56250"	50	34	42	49	NPT(F)	≤ 32 Ra μ	180° Dn
UAA3690B31SD	1.500"	3.53125"	45	107	131	151	Clip-On Tube	≤ 32 Ra μ	180° Dn
UAA3690B31SN	1.500"	3.53125"	45	107	131	151	NPT(F)	≤ 32 Ra μ	180° Dn
UAA3990B31SD	1.500"	3.56250"	70	132	161	186	Clip-On Tube	≤ 32 Ra μ	180° Dn
UAA3990B31SN	1.500"	3.56250"	70	132	161	186	NPT(F)	≤ 32 Ra μ	180° Dn



WR = Wetting Radius
All materials are constructed of 316L Stainless Steel; unless otherwise noted.

Tube sizes are USA type gauge 16, unless otherwise noted. Sizes noted under "D" for tube connections are nominal sizes. Contact Butterworth for specific details if needed.

Other configurations and materials are available on request.

Butterworth C&D, Inc.
15200 Middlebrook Drive; Suite E
Houston, TX 77058
Phone : 281.474.1395
Fax : 281.754.4533
Web : www.butterworthcd.com

Butterworth, Inc.
16737 West Hardy Street
Houston, TX 77060
Phone : 281.821.7300
Fax : 281.821.5550
Web : www.butterworth.com