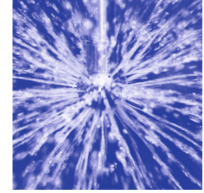




Static Spray Balls »RinseClean« Series 5B2/5B3



- Popular spray ball design
- Powerful solid streams

Applications:

Cleaning tanks/gray and black water tanks.

Material:

316L SS,
R-clip: 316L SS

Max. temperature:

200 °C

Recommended operating pressure:

2 bar

Installation:

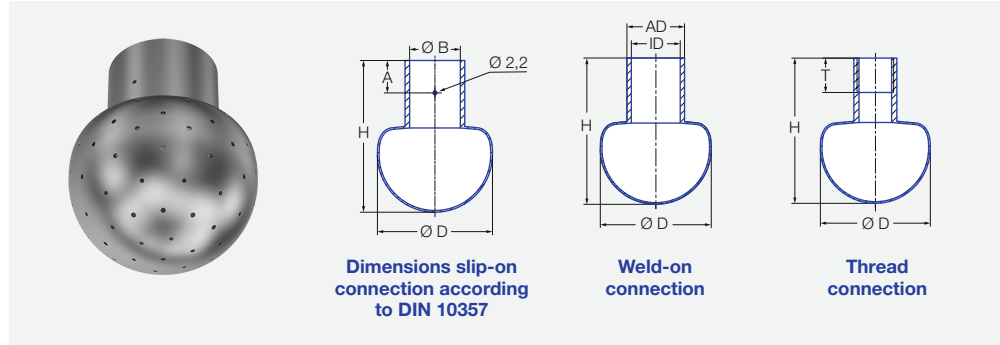
Operation in every direction is possible


For additional spray balls please refer to our brochure "Precision Spray Nozzles for Tank and Equipment Cleaning"






Function video

Scan the QR-code or go to:
www.lechler.com/staticsprayball



Spray angle 	Ordering no. Type	E Ø [mm]	\dot{V} [l/min]					Dimensions [mm]					Max. tank diameter [m]
			p [bar] ($p_{max} = 5$ bar)					Ø D	Height H	Connection B	Distance to bore hole A	R-clip	
			0.5	1	2	3	at 40 psi [US gal./min]						

Slip-on connection according to DIN EN 10357 series B (replaces DIN 11850 series 1)

	5B2.879.1Y.D0.80.0	0.8	8	11	15	18	4.7	20	37	8.2	9	1	2.0
	5B3.089.1Y.D1.20.0	1.0	25	35	50	61	15.5	28	42	12.2	9	1	2.2
	5B3.139.1Y.D1.20.0	1.6	33	46	65	80	20.2	28	42	12.2	9	1	2.3
	5B3.209.1Y.D1.80.0	1.5	50	71	100	123	31.0	28	42	18.2	9	2	2.5
	5B3.309.1Y.D2.20.0	1.7	90	127	180	221	55.8	64	84	22.2	18	2	3.5
	5B3.379.1Y.D2.80.0	2.1	130	184	260	318	80.7	64	84	28.2	18	3	5.2
	5B3.389.1Y.D4.00.0	2.1	140	198	280	343	86.9	64	84	40.3	18	4	5.2
	5B3.409.1Y.D3.40.0	2.3	160	226	320	392	99.3	64	84	34.2	18	4	5.2
	5B3.449.1Y.D3.80.0	3.0	205	290	410	502	127.2	64	84	28.2	18	3	5.4
5B3.489.1Y.D3.40.0	2.9	255	361	510	625	158.2	64	84	34.2	18	4	5.5	
5B3.499.1Y.D4.00.0	2.8	270	382	540	661	167.5	64	84	40.3	18	4	5.5	
5B3.539.1Y.D5.20.0	3.2	335	474	670	821	207.8	90	111	52.3	25	5	5.6	
	5B3.083.1Y.D1.80.0	1.2	25	35	50	61	15.5	28	42	18.2	9	2	2.2
	5B3.253.1Y.D2.20.0	1.8	65	92	130	159	40.3	64	84	22.2	18	2	3.0
	5B3.323.1Y.D2.80.0	2.3	100	141	200	245	62.0	64	84	28.2	18	3	3.5
5B3.463.1Y.D5.20.0	3.3	230	325	460	563	142.7	90	111	52.3	25	5	5.4	
	5B3.114.1Y.D1.80.0	1.4	30	42	60	74	18.6	28	42	18.2	9	2	2.2
	5B3.274.1Y.D2.20.0	2.3	75	106	150	184	46.5	64	84	22.2	18	2	3.0
	5B3.394.1Y.D2.80.0	3.0	145	205	290	355	90.0	64	84	28.2	18	3	5.0
	5B3.444.1Y.D5.20.0	3.2	200	283	400	490	124.1	90	111	52.3	25	5	5.2

Slip-on connection according to DIN EN 10357 series A (replaces DIN 11850 series 2)

	5B3.149.1Y.D2.90.0	0.9	35	50	70	86	21.7	64	84	29.2	18	3	2.3
	5B3.299.1Y.D2.90.0	1.5	83	117	165	202	51.2	64	84	29.2	18	3	3.2
	5B3.359.1Y.D2.90.0	1.9	115	163	230	282	71.3	64	84	29.2	18	3	5.0
	5B3.399.1Y.D2.90.0	2.2	150	212	300	367	93.1	64	84	29.2	18	3	5.2
	5B3.429.1Y.D2.90.0	2.6	180	255	360	441	111.7	64	84	29.2	18	3	5.2
	5B3.539.1Y.D5.30.0	3.2	335	474	670	821	207.8	90	111	53.3	25	5	5.6

Slip-on connection according to DIN EN 10357 series D (ASME BPE 1997, OD tube compatible)



	5B3.089.1Y.A1.00.0	1.0	25	35	50	61	15.5	28	42	9.8	9	1	2.2
	5B3.209.1Y.A1.90.0	1.5	50	71	100	123	31.0	28	42	19.3	9	2	2.5
	5B3.309.1Y.A1.90.0	1.7	90	127	180	221	55.8	64	84	19.3	18	2	3.5
	5B3.379.1Y.A2.60.0	2.1	130	184	260	318	80.7	64	84	25.6	18	3	5.2
	5B3.449.1Y.A3.80.0	3.0	205	290	410	502	127.2	64	84	38.3	18	4	5.4
	5B3.539.1Y.A5.10.0	3.2	335	474	670	821	207.8	90	111	51.1	25	5	5.6







Static Spray Balls »RinseClean« Series 5B2/5B3

Thread connection

Spray angle 	Ordering no.	Con- nection BSPP	E Ø [mm]	V̇ [l/min]					Dimensions [mm]			Max. tank diameter [m]
	Type			p [bar] (p _{max} = 5 bar)					Ø D	Height H	Screw-in length T	
				0.5	1	2	3	at 40 psi [US gal./min]				
360° 	5B2.879.1Y.AA.00.0	1/8 A	0.8	8	11	15	18	4.7	20	37	8	2.0
	5B3.309.1Y.AH.00.0	1/2	1.9	90	127	180	221	55.8	64	84	14	3.5
	5B3.379.1Y.AN.00.0	1	2.1	130	184	260	318	80.7	64	84	18	5.2
	5B3.539.1Y.AW.00.0	2	3.1	335	474	670	821	207.8	90	111	24	5.6

Weld-on connection according to ISO 2037

Spray angle 	Ordering no.	E Ø [mm]	V̇ [l/min]					Dimensions [mm]			Max. tank diameter [m]
	Type		p [bar] (p _{max} = 5 bar)					Ø D	Height H	Dimensions of the connection piece	
			0.5	1	2	3	at 40 psi [US gal./ min]				
360° 	5B2.879.1Y.W1.20.0	0.8	8	11	15	18	4.7	20	37	OD 12 ID10	2.0
	5B3.089.1Y.W1.20.0	1.0	25	35	50	61	15.5	28	42	OD 12 ID10	2.2
	5B3.209.1Y.W1.70.0	1.5	50	71	100	123	31.0	28	42	OD 17.2 ID15.2	2.5
	5B3.309.1Y.W2.50.0	1.7	90	127	180	221	55.8	64	84	OD 25 ID 22.6	3.5
	5B3.379.1Y.W2.50.0	2.1	130	184	260	318	80.7	64	84	OD 25 ID 22.6	5.2
	5B3.449.1Y.W3.80.0	3.0	205	290	410	502	127.2	64	84	OD 38 ID 35.6	5.4

E = narrowest free cross section

The maximum tank diameter shown above applies for the recommended operating pressure and is indicative only. The cleaning result is also affected by the type of soiling.

Slip-on information

- R-clip made of 316L SS is included. (Ordering no.: See table on page 64).
- Depending on diameter of adapter, the flow rate can increase due to leakage between connecting pipe and static spray ball.

In most applications, spray balls do not deliver the same cleaning power as rotating nozzles, although they do have advantages that make them indispensable for certain tasks:

- No moving parts
- Self-draining
- Easy to inspect
- Proven use in hygienically sensitive environments

Should a rotating cleaner stop turning for some reason, parts of the tank may remain uncleaned. This cannot happen with spray balls. However, gaps can occur in the spray pattern if individual openings are blocked with dirt.

Compared to rotating cleaners, spray balls usually need two to three times the amount of fluid.