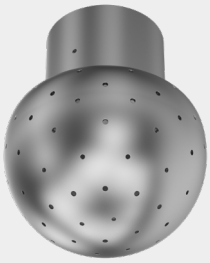
Static spray balls RinseClean
Series 5B2/5B3

Features:
- No moving parts
- Self-draining
- Proven in numerous applications
- Suitable for very high temperatures and high hygiene requirements
- Also available in 2.4602 (Alloy 22)



FDA

Function video
www.lechler.com/de-en/medialibrary/videos-general-industry
Or scan the QR code.

Series 5B2/5B3

Technical data:

Maximum operating temperature
200 °C

Maximum ambient temperature
250 °C

Installation
Operation in every installation position

Bearing
Static – no bearing

Material
Stainless steel 1.4404 (316L), cotter pin made of stainless steel 1.4404 (316L) or 2.4602 (Alloy 22), cotter pin made of 2.4602 (Alloy 22)

Weight
10–300 g

Surface quality
Ra ≤ 0.8 µm
polished Ra ≤ 0.5 µm
OUTSIDE

Surface quality
Ra ≤ 0.8 µm
INSIDE

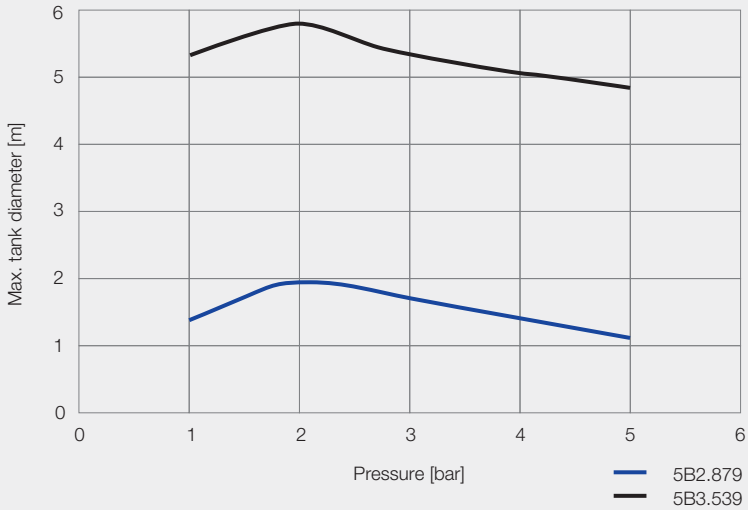
Steam suitability
Suitable

Insertion diameter
20–90 mm

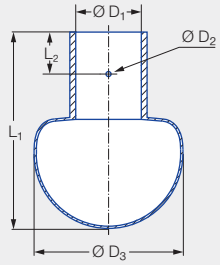
Recommended filter
Smaller than the narrowest cross-section

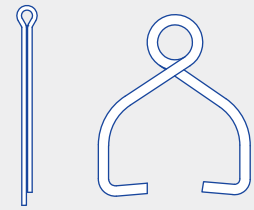
Recommended operating pressure
2 bar

Max. tank diameter
The specified maximum tank diameter applies to the recommended operating pressure and is indicative only. The type of soiling is also decisive for the cleaning result.

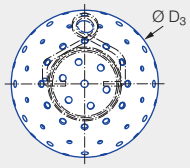


Overview of maximum tank diameter depending on pressure





Pin 1 Pin 2–5



Insertion diameter D_3 of slip-on connection

With the slip-on connection, the spray ball is pushed onto the customer connecting pipe and secured with the supplied cotter pin.

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

Spray angle	Ordering no.				Narrowest cross-section Ø [mm]	V̇ water [l/min]				V̇ water	Dimensions [mm]					Pin	Max. tank diameter [m]
	Type	Mat. no.		Connection		p [bar] (p_{max} = 5 bar)											
		1Y	21														
		1.4404 (316L)	2.4602 (Alloy 22)			0.5	1.0	**2.0**	3.0	at 2 bar [m³/h]	L_1	L_2	Ø D_1	Ø D_2	Ø D_3		
180°	**5B3.083**	●	●	**D1.80**	1.2	25	35	**50**	61	3.0	42.0	9.0	18.2	2.2	28.0	1	2.2
	5B3.253	●	●	**D2.20**	1.8	65	92	**130**	159	7.8	84.0	18.0	22.2	2.2	64.0	2	3.0
	5B3.323	●	●	**D2.80**	2.3	100	141	**200**	245	12.0	84.0	18.0	28.2	2.2	64.0	3	3.5
	5B3.463	●		**D5.20**	3.3	230	325	**460**	563	27.6	111.0	25.0	52.3	3.0	90.0	5	5.4
180°	**5B3.114**	●	●	**D1.80**	1.4	30	42	**60**	74	3.6	42.0	9.0	18.2	2.2	28.0	1	2.2
	5B3.274	●	●	**D2.20**	2.3	75	106	**150**	184	9.0	84.0	18.0	22.2	2.2	64.0	2	3.0
	5B3.394	●	●	**D2.80**	3.0	145	205	**290**	355	17.4	84.0	18.0	28.2	2.2	64.0	3	5.0
	5B3.444	●		**D5.20**	3.2	200	283	**400**	490	24.0	111.0	25.0	52.3	3.0	90.0	5	5.2
270°	**5B3.305**	●	●	**D2.20**	1.9	90	127	**180**	221	10.8	84.0	18.0	22.2	2.2	64.0	2	3.5
	5B3.345	●	●	**D2.80**	2.1	115	163	**230**	282	13.8	84.0	18.0	28.2	2.2	64.0	3	5.0
	5B3.385	●	●	**D3.40**	2.2	140	198	**280**	343	16.8	84.0	18.0	34.3	2.2	64.0	4	5.2
	5B3.405	●	●	**D3.40**	2.4	160	226	**320**	392	19.2	84.0	18.0	34.3	2.2	64.0	4	5.2
	5B3.425	●	●	**D2.80**	2.8	180	255	**360**	441	21.6	84.0	18.0	28.2	2.2	64.0	3	5.2
	5B3.445	●	●	**D4.00**	2.7	205	290	**410**	502	24.6	84.0	18.0	40.3	2.2	64.0	4	5.4
	5B3.475	●	●	**D3.40**	3.1	235	332	**470**	576	28.2	84.0	18.0	34.3	2.2	64.0	4	5.4
	5B3.535	●		**D5.20**	3.6	335	474	**670**	821	40.2	111.0	25.0	52.3	3.0	90.0	5	5.6
	5B3.605	●		**D5.20**	4.5	500	707	**1,000**	1,225	60.0	111.0	25.0	52.3	3.0	90.0	5	5.6
360°	**5B2.879**	●	●	**D0.80**	0.8	8	11	**15**	18	0.9	37.0	9.0	8.2	2.2	20.0	1	2.0
	5B3.089	●	●	**D1.20**	1.0	25	35	**50**	61	3.0	42.0	9.0	12.2	2.2	28.0	1	2.2
	5B3.139	●	●	**D1.20**	1.6	33	46	**65**	80	3.9	42.0	9.0	12.2	2.2	28.0	1	2.3
	5B3.209	●	●	**D1.80**	1.5	50	71	**100**	123	6.0	42.0	9.0	18.2	2.2	28.0	1	2.5
	5B3.309	●	●	**D2.20**	1.7	90	127	**180**	221	10.8	84.0	18.0	22.2	2.2	64.0	2	3.5
	5B3.379	●	●	**D2.80**	2.1	130	184	**260**	318	15.6	84.0	18.0	28.2	2.2	64.0	3	5.2
	5B3.389	●	●	**D4.00**	2.1	140	198	**280**	343	16.8	84.0	18.0	40.3	2.2	64.0	4	5.2
	5B3.409	●	●	**D3.40**	2.3	160	226	**320**	392	19.2	84.0	18.0	34.2	2.2	64.0	4	5.2
	5B3.449	●	●	**D2.80**	3.0	205	290	**410**	502	24.6	84.0	18.0	28.2	2.2	64.0	3	5.4
	5B3.489	●	●	**D3.40**	2.9	255	361	**510**	625	30.6	84.0	18.0	34.2	2.2	64.0	4	5.5
	5B3.499	●	●	**D4.00**	2.8	270	382	**540**	661	32.4	84.0	18.0	40.3	2.2	64.0	4	5.5
	5B3.539	●		**D5.20**	3.2	335	474	**670**	821	40.2	111.0	25.0	52.3	3.0	90.0	5	5.6

Pin	Ordering no.	
	1Y	21
	1.4404 (316L)	2.4602 (Alloy 22)
1	**095.013.1Y.06.55**	**095.013.21.06.55**
2	**095.013.1Y.06.58**	**095.013.21.06.58**
3	**095.013.1Y.06.56**	**095.013.21.06.56**
4	**095.013.1Y.06.59**	**095.013.21.06.59**
5	**095.013.1Y.06.57**	

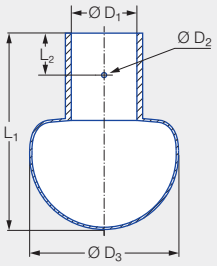
Ordering example:	Type	+	Material no.	+	Connection	=	Ordering no.
	5B3.083	+	**1Y**	+	**D1.80**	=	**5B3.083.1Y.D1.80**

Note
Available in polished version on request.

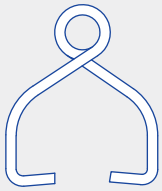
Information on slip-on connection
- Cotter pin made of stainless steel 1.4404 (316L) or 2.4602 (Alloy 22) included.
- Depending on the adapter diameter, the flow rate may increase due to the leakage between the adapter and spray ball.

Information on operation
Use above the recommended pressure will have a negative effect on the cleaning result and wear.

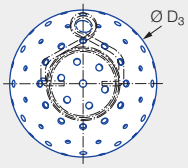
Slip-on connection



Pin 1



Pin 2–5



Insertion diameter D_3 of slip-on connection

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

Spray angle	Ordering no.				Narrowest cross-section Ø [mm]	V̇ water [l/min]				V̇ water	Dimensions [mm]					Pin	Max. tank diameter [m]
	Type	Mat. no.		Connection		p [bar] (p_{max} = 5 bar)											
		1Y	21														
		1.4404 (316L)	2.4602 (Alloy 22)			0.5	1.0	**2.0**	3.0	at 2 bar [m³/h]	L_1	L_2	Ø D_1	Ø D_2	Ø D_3		
360°	**5B3.149**	●	●	**D2.90**	0.9	35	50	**70**	86	4.2	84.0	18.0	29.2	2.2	64.0	3	2.3
	5B3.299	●	●	**D2.90**	1.5	83	117	**165**	202	9.9	84.0	18.0	29.2	2.2	64.0	3	3.2
	5B3.359	●	●	**D2.90**	1.9	115	163	**230**	282	13.8	84.0	18.0	29.2	2.2	64.0	3	5.0
	5B3.399	●	●	**D2.90**	2.2	150	212	**300**	367	18.0	84.0	18.0	29.2	2.2	64.0	3	5.2
	5B3.429	●	●	**D2.90**	2.6	180	255	**360**	441	21.6	84.0	18.0	29.2	2.2	64.0	3	5.2
	5B3.539	●		**D5.30**	3.2	335	474	**670**	821	40.2	111.0	25.0	53.3	3.0	90.0	5	5.6

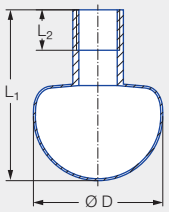
Slip-on connection according to DIN EN 10357 series D (ASME BPE 1997, OD-tube compatible)

Spray angle	Ordering no.				Narrowest cross-section Ø [mm]	V̇ water [l/min]				V̇ water	Dimensions [mm]					Pin	Max. tank diameter [m]
	Type	Mat. no.		Connection		p [bar] (p_{max} = 5 bar)											
		1Y	21														
		1.4404 (316L)	2.4602 (Alloy 22)			0.5	1.0	**2.0**	3.0	at 2 bar [m³/h]	L_1	L_2	Ø D_1	Ø D_2	Ø D_3		
360°	**5B3.089**	●	●	**A1.00**	1.0	25	35	**50**	61	3.0	42.0	9.0	9.8	2.2	28.0	1	2.2
	5B3.209	●	●	**A1.90**	1.5	50	71	**100**	123	6.0	42.0	9.0	19.3	2.2	28.0	1	2.5
	5B3.309	●	●	**A1.90**	1.7	90	127	**180**	221	10.8	84.0	18.0	19.3	2.2	64.0	1	3.5
	5B3.379	●	●	**A2.60**	2.1	130	184	**260**	318	15.6	84.0	18.0	25.6	2.2	64.0	3	5.2
	5B3.449	●	●	**A3.80**	3.0	205	290	**410**	502	24.6	84.0	18.0	38.3	2.2	64.0	4	5.4
	5B3.539	●		**A5.10**	3.2	335	474	**670**	821	40.2	111.0	25.0	51.1	3.0	90.0	5	5.6

Information on slip-on connection

- Cotter pin made of stainless steel 1.4404 (316L) or 2.4602 (Alloy 22) included.
- Depending on the adapter diameter, the flow rate may increase due to the leakage between the adapter and spray ball.

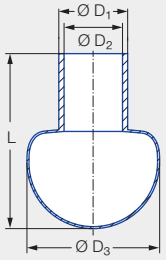
Threaded connection



Threaded connection

Spray angle	Ordering no.							Narrowest cross-section Ø [mm]	V̇ water [l/min]				V̇ water	Dimensions [mm]			Max. tank diameter [m]
	Type	Mat. no.		Connection					p [bar] (p_{max} = 5 bar)								
		1Y	21	1/8 BSPP male	1/2 BSPP	1 BSPP	2 BSPP		0.5	1.0	**2.0**	3.0	at 2 bar [m³/h]	L_1	L_2	Ø D	
		1.4404 (316L)	2.4602 (Alloy 22)														
360°	**5B2.879**	●	●	**AA**				0.8	8	11	**15**	18	0.9	37	8	20	2.0
	5B3.309	●	●		**AH**			1.9	90	127	**180**	221	10.8	84	14	64	3.5
	5B3.379	●	●			**AN**		2.1	130	184	**260**	318	15.6	84	18	64	5.2
	5B3.539	●					**AW**	3.1	335	474	**670**	821	40.2	111	24	90	5.6

Welded connection



Welded connection according to ISO 2037

Spray angle	Ordering no.				Narrowest cross-section Ø [mm]	V̇ water [l/min]				V̇ water	Dimensions [mm]				Max. tank diameter [m]
	Type	Mat. no.		Connection		p [bar] (p_{max} = 5 bar)						Adapter			
		1Y	21			0.5	1.0	**2.0**	3.0	at 2 bar [m³/h]	L	Ø D_1	Ø D_2	Ø D_3	
		1.4404 (316L)	2.4602 (Alloy 22)												
360°	**5B2.879**	●	●	**W1.20**	0.8	8	11	**15**	18	0.9	37.0	12.0	10.0	20.0	2.0
	5B3.089	●	●	**W1.20**	1.0	25	35	**50**	61	3.0	42.0	12.0	10.0	28.0	2.2
	5B3.209	●	●	**W1.70**	1.5	50	71	**100**	123	6.0	42.0	17.2	15.2	28.0	2.5
	5B3.309	●	●	**W2.50**	1.7	90	127	**180**	221	10.8	84.0	25.0	22.6	64.0	3.5
	5B3.379	●	●	**W2.50**	2.1	130	184	**260**	318	15.6	84.0	25.0	22.6	64.0	5.2
	5B3.449	●	●	**W3.80**	3.0	205	290	**410**	502	24.6	84.0	38.0	35.6	64.0	5.4

Information on operation
Use above the recommended pressure will have a negative effect on the cleaning result and wear.