

Sprayball Selection Chart

Sprayballs are manufactured in different sizes with options of connections and drilling patterns to suit various applications. The flow rate required will depend on factors such as: duration of the cleaning cycle, type and temperature of the cleaning fluid, the nature of the vessel contents etc.

Most industries have evolved their own cleaning procedures based on trial and experience with their own particular products, however as a general guide the flow rate required and hence the size or number of sprayballs required can be determined such as:

- For vertical tanks – Allow one cubic meter per hour for every meter of tank circumference
- For horizontal tanks – Allow one cubic meter per hour for 2 x diameters + 2 x length in meters

The pressure of the cleaning fluid at the sprayball should be between one and three bar. Higher pressures can result in fluid atomising and reducing the cleaning effect.

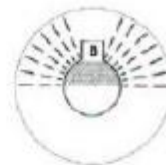
Please note that all values quoted in the following table are at 1 bar working pressure.



Spray Ball Type A
Nominal 360°
Spray



Spray Ball type AX
Full 360° Spray



Spray Ball Type B
Nominal 180°
Upwards Spray



Spray Ball Type C
180° Downwards
Spray



Spray Ball Type D
Nominal 180°
Side Spray

Sprayball Selection Chart

REF	HOLE (MM)	DIA (MM)	CONNECTION	H (MM)	FLOW (M3 / HR)	CLEANING RADIUS (M)
1A	2.5	65	1" CLIP	60	15.7	1.8
1B	2.5	65	1" CLIP	60	10.2	3.0
1C	2.5	65	1" CLIP	60	10.5	3.2
1D	2.5	65	1" CLIP	60	10.1	2.9
1AX	2.5	65	1" CLIP	57	15.7	1.8
1BX	2.5	65	1" CLIP	57	10.2	3.0
1DX	2.5	65	1" CLIP	57	10.1	2.9
1A	1.6	65	1" CLIP	60	8.6	3.3
1B	1.6	65	1" CLIP	60	5.3	4.9
1C	1.6	65	1" CLIP	60	5.5	5.3
1D	1.6	65	1" CLIP	60	5.3	5.0
2A	2.5	65	1 ½" CLIP	60	18.8	2.6
2B	2.5	65	1 ½" CLIP	60	8.4	2.0
2C	2.5	65	1 ½" CLIP	60	11.2	3.7
2D	2.5	65	1 ½" CLIP	60	10.2	3.0
2AX	2.5	65	1 ½" CLIP	58	18.8	2.6
2BX	2.5	65	1 ½" CLIP	58	8.4	2.0
2DX	2.5	65	1 ½" CLIP	58	10.4	3.0

Sprayball Selection Chart

REF	HOLE (MM)	DIA (MM)	CONNECTION	H (MM)	FLOW (M3 / HR)	CLEANING RADIUS (M)
3A	2.5	65	¾" BSPF	45	13.2	1.3
3B	2.5	65	¾" BSPF	45	8.7	2.2
3C	2.5	65	¾" BSPF	45	9.2	2.2
3D	2.5	65	¾" BSPF	45	9.2	2.5
3A	1.6	65	¾" BSPF	45	6.3	1.7
3B	1.6	65	¾" BSPF	45	4.1	3.0
3C	1.6	65	¾" BSPF	45	4.4	3.4
3D	1.6	65	¾" BSPF	45	4.4	3.3
4A	1.6	50	1 ½" CLIP	53	6.6	1.9
4B	1.6	50	1 ½" CLIP	53	4.0	2.8
4C	1.6	50	1 ½" CLIP	53	3.7	2.3
4D	1.6	50	1 ½" CLIP	53	3.9	2.6
6A	2.5	65	1 ¼" CLIP	59	17.9	2.3
6B	2.5	65	1 ¼" CLIP	59	9.3	2.5
6C	2.5	65	1 ¼" CLIP	59	10.5	3.2
6D	2.5	65	1 ¼" CLIP	59	10.1	3.0
6AX	2.5	65	1 ¼" CLIP	56	17.9	2.3
6BX	2.5	65	1 ¼" CLIP	56	9.3	2.5
6DX	2.5	65	1 ¼" CLIP	56	10.1	3.0

Sprayball Selection Chart

REF	HOLE (MM)	DIA (MM)	CONNECTION	H (MM)	FLOW (M3 / HR)	CLEANING RADIUS (M)
6A	1.6	65	1 ¼" CLIP	59	7.8	2.7
6B	1.6	65	1 ¼" CLIP	59	4.2	3.1
6C	1.6	65	1 ¼" CLIP	59	4.3	3.3
6D	1.6	65	1 ¼" CLIP	59	4.3	3.2
7A	2.5	65	1 ½" CLIP	60	18.3	3.0
7B	2.5	65	1 ½" CLIP	60	8.1	2.4
7C	2.5	65	1 ½" CLIP	60	11.8	4.9
7D	2.5	65	1 ½" CLIP	60	10.4	3.9
8A	1.6	50	¾" CLIP	49	5.5	2.5
8B	1.6	50	¾" CLIP	49	3.4	3.8
8C	1.6	50	¾" CLIP	49	3.2	3.4
8D	1.6	50	¾" CLIP	49	3.5	4.1
8AX	1.6	50	¾" CLIP	46	5.5	2.5
8BX	1.6	50	¾" CLIP	46	3.4	3.8
8DX	1.6	50	¾" CLIP	46	3.5	4.1
9A	1.6	50	½" BSPF	49	5.4	2.4
9B	1.6	50	½" BSPF	49	3.0	3.0
9C	1.6	50	½" BSPF	49	3.1	3.2
9D	1.6	50	½" BSPF	49	3.3	3.6

Sprayball Selection Chart

REF	HOLE (MM)	DIA (MM)	CONNECTION	H (MM)	FLOW (M3 / HR)	CLEANING RADIUS (M)
10A	1.6	50	1" CLIP	52	7.2	4.3
10B	1.6	50	1" CLIP	52	4.7	7.2
10C	1.6	50	1" CLIP	52	4.7	7.2
10D	1.6	50	1" CLIP	52	4.5	6.7
10AX	1.6	50	1" CLIP	49	7.2	4.3
10BX	1.6	50	1" CLIP	49	4.7	7.2
10DX	1.6	50	1" CLIP	49	4.5	6.7
11A	2.5	90	1 ¼" BSPF	63	29.8	3.1
11B	2.5	90	1 ¼" BSPF	63	12.7	2.2
11C	2.5	90	1 ¼" BSPF	63	15.9	3.4
11D	2.5	90	1 ¼" BSPF	63	15.9	3.1
12A	2.5	90	1 ½" CLIP	75	3.5	4.1
12B	2.5	90	1 ½" CLIP	75	5.5	2.5
12C	2.5	90	1 ½" CLIP	75	3.4	3.8
12D	2.5	90	1 ½" CLIP	75	3.5	4.1
12AX	2.5	90	1 ½" CLIP	75	24.2	2.0
12BX	2.5	90	1 ½" CLIP	75	13.4	2.4
12DX	2.5	90	1 ½" CLIP	75	14.2	2.8

Sprayball Selection Chart

REF	HOLE (MM)	DIA (MM)	CONNECTION	H (MM)	FLOW (M3 / HR)	CLEANING RADIUS (M)
14A	2	120	2" CLIP	87	19.0	2.0
14B	2	120	2" CLIP	87	10.2	2.3
14C	2	120	2" CLIP	87	8.9	1.7
14D	2	120	2" CLIP	87	10.0	2.2
15A	1.6	40	¾" CLIP	44	3.7	3.8
15B	1.6	40	¾" CLIP	44	2.3	5.5
15C	1.6	40	¾" CLIP	44	2.3	5.9
15D	1.6	40	¾" CLIP	44	2.4	6.1
15AX	1.6	40	¾" CLIP	40	3.7	3.8
15BX	1.6	40	¾" CLIP	40	2.3	5.5
15DX	1.6	40	¾" CLIP	40	2.4	6.1
16A	1.3	40	¾" CLIP	44	5.1	4.7
16B	1.3	40	¾" CLIP	44	3.0	6.4
16C	1.3	40	¾" CLIP	44	3.1	7.0
16D	1.3	40	¾" CLIP	44	3.1	7.1
16AX	1.3	40	¾" CLIP	40	5.1	4.7
16BX	1.3	40	¾" CLIP	40	3.0	6.4
16DX	1.3	40	¾" CLIP	40	3.1	7.1

Sprayball Selection Chart

REF	HOLE (MM)	DIA (MM)	CONNECTION	H (MM)	FLOW (M3 / HR)	CLEANING RADIUS (M)
17A	1.3	28	¼" BSPF	23	1.8	1.0
17B	1.3	28	¼" BSPF	23	1.2	1.6
17C	1.3	28	¼" BSPF	23	1.4	2.2
17D	1.3	28	¼" BSPF	23	1.4	2.3
17AX	1.3	28	¼" BSPF	23	1.8	1.0
17BX	1.3	28	¼" BSPF	23	1.7	1.6
17DX	1.3	28	¼" BSPF	23	1.4	2.3