



TASSALINI

SINCE 1922, PRECISION MADE GREAT

CATALOGO

**SFERE DI LAVAGGIO FISSE
SPRAYBALLS**

CATALOG

ENG

Sprayballs

TASSALINI
SINCE 1922, PRECISION MADE GREAT



The fixed sprayballs are simple, efficient objects that can be easily cleaned. That's why they are applied to many tanks used in the food, beverage, chemical and pharmaceutical industry.

They are particularly useful in small tanks and in processes where water-soluble liquids need to be eliminated. They are built using stainless AISI 316 steel and provide high quality surface finishing (either satinized or polished).

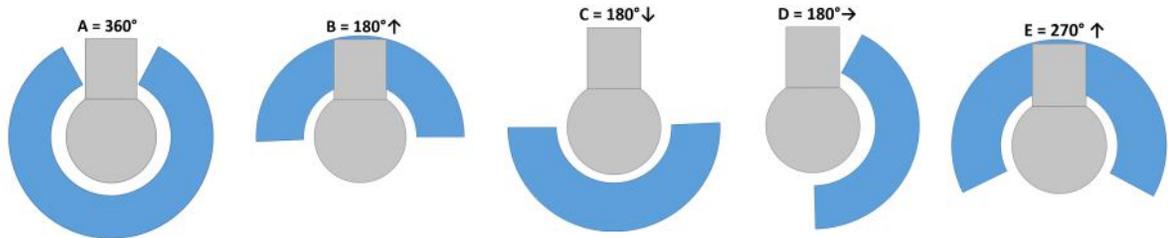
Our sprayballs' characteristics can satisfy any possible specific need, and can be equipped with different kinds of couplings or clips that allow to easily disassemble and clean them.

Models

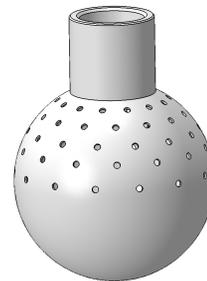
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The sprayballs come in five different models: "A", "B", "C", "D", "E" and in different couplings: gas thread, clip (easy to clean and disassemble), or welded.



Sprayball model "A" (360°)



Sprayball model "B" (180° ↑)



Sprayball model "C" (180° ↓)



Sprayball model "D" (180° →)

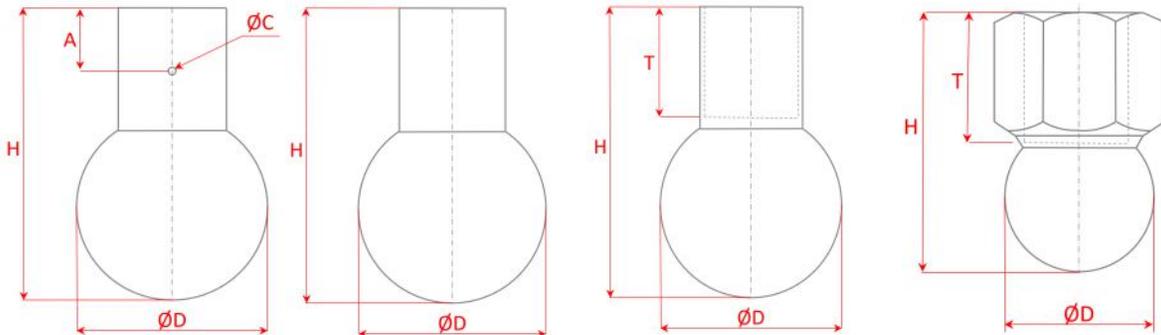


Sprayball model "E" (270° ↑←→)

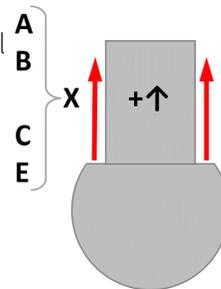


Available couplings:

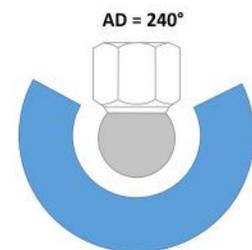
- CLIP (22X20, 28X26, 32X30, 38X36, 40,5X38,5, 60,3X52,8, 42.4x1.6)
- WELDED
- FEMALE GAS THREAD with possibility of hex nut



Sub-models "X" have a "shoulder" in order to wash parallel to the base and can be applied to all types of balls, even creating "XJ" models. They have the same measures as the normal sprayballs.



Sub-models "J" have smaller (1,6) holes and can be applied to types 1, 2, 3, 6, 7.



Sub-models "D" have a hex nut base.

Sprayballs with diameter of 65, 50, 90 are 10/10 thick, those with diameter 120 are 12/10 thick, and those with diameter of 40 and 28 are 8/10 thick.

They can also be built upon customer's design.

MAINTENANCE

TASSALINI
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Sprayballs do not need any specific maintenance.

In order to increase the product's life, please use the optimal flow and pressure values, as indicated in the product specific data tables. Temperature should not exceed 90° Celsius. Also, mounting the sprayballs in a vertical position will increase their duration, compared to a horizontal or oblique position (45° / 60°). Please use the sprayballs only with filtered liquids, without any impurity or any solid particle in suspension. We suggest to dismount the sprayballs after every washing cycle.

Our sprayballs are made in AISI316L steel, which allows to use them with liquids for human consumption.

WARRANTY

TASSALINI
SINCE 1922, PRECISION MADE GREAT



The products are replaced or repaired, following decision of the producer, with no expense for the customer, in case of parts that are faulty from the origin. The warranty is valid if the defect is notified through mail within 30 days from its installation, or within a year from the delivery date. The cost of the replacement or repair of the item is the only expenditure that can be charged to our company, that cannot be held responsible for damages to persons or things, nor for trade losses due to the non-working conditions of our products.

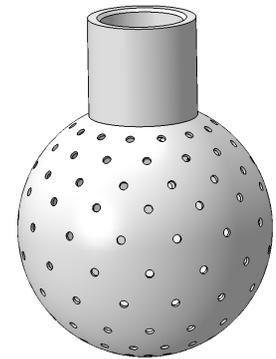
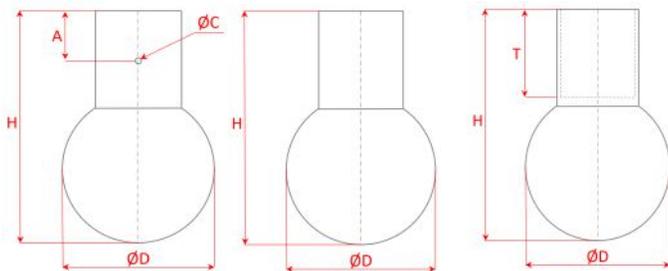
In order to improve our products we continuously enhance our products, therefore shapes, dimensions and characteristics of our products, as shown or written in this catalog, may be changed without prior notice.

Catalog

Catalogo

Model "A" Sprayballs

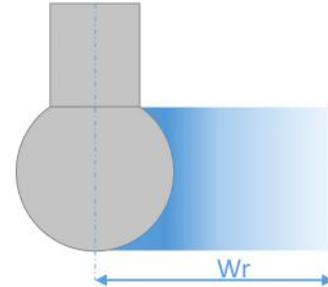
Sfere modello «A»



Ordering no.			Connection		Dimension (mm)						
Code	Note	CAD	Type	Size	Outlet holes	Holes N°	ØD	Height max H	Clip on Hole ØC	Distance to bore hole A	Screw-in lenght T
20 A 10		1	Welded	12x9 (Øe X Øi)	1	34	20	33			
20 A 16		1	Welded	12x9 (Øe X Øi)	1,6	34	20	33			
17 A 13		1	Female threaded	¼"G BSP	1,3	71	28	40			16
17 A 313		1	Clip on	16,1X14,1 (Øe X Øi)	1,3	71	28	44	3	9	
17 A U13		1	Clip on	16,1X14,1 (Øe X Øi)	1,3	71	28	44	2,2	9	
15 A 16		1	Clip on	22X20 (Øe X Øi)	1,6	49	40	65	2,2	12,5	
16 A 13		1	Clip on	22X20 (Øe X Øi)	1,3	109	40	65	2,2	12,5	
4 A 16		1	Clip on	40,5x38,5 (Øe X Øi)	1,6	61	50	78	2,2	15	
8 A 16		1	Clip on	22X20 (Øe X Øi)	1,6	81	50	76	2,2	12,5	
9 A 16		1	Female threaded	½"G BSP	1,6	81	50	74			29
10 A 16		1	Clip on	28X26 (Øe X Øi)	1,6	81	50	76	2,2	12,5	
6 A 16		1	Clip on	32x30 (Øe X Øi)	1,6	121	65	91	2,2	15	
1 A 16		1	Clip on	28X26 (Øe X Øi)	1,6	121	65	91	2,2	12,5	
2 A 16		1	Clip on	40,5x38,5 (Øe X Øi)	1,6	109	65	94	2,2	15	
5 A 16		1	Clip on	42,4x39,2 (Øe X Øi)	2,5	109	65	92	2,2	12,5	
7 A 16		1	Clip on	38x36 (Øe X Øi)	1,6	109	65	94	2,2	15	
1 A 25		1	Clip on	28X26 (Øe X Øi)	2,5	121	65	91	2,2	12,5	
7 A 25		1	Clip on	38x36 (Øe X Øi)	2,5	109	65	94	2,2	15	
6 A 25		1	Clip on	32x30 (Øe X Øi)	2,5	121	65	91	2,2	15	
2 A 25		1	Clip on	40,5x38,5 (Øe X Øi)	2,5	109	65	94	2,2	15	
5 A 25		1	Clip on	42,4x39,2 (Øe X Øi)	2,5	109	65	92	2,2	12,5	
3 A 16		1	Female threaded	¾"G BSP	1,6	121	65	94			34
3 A 25		1	Female threaded	¾"G BSP	2,5	121	65	94			34
18 A 16		1	Female threaded	¾"G BSP	1,6	141	75	100			29
18 A 20		1	Female threaded	¾"G BSP	2	141	75	100			29
18 A 25		1	Female threaded	¾"G BSP	2,5	141	75	100			29
19 A 16		1	Female threaded	1"G BSP	1,6	127	75	102			34
19 A 20		1	Female threaded	1"G BSP	2	127	75	102			34
19 A 25		1	Female threaded	1"G BSP	2,5	127	75	102			34
11 A 25		1	Female threaded	1¼"G BSP	2,5	177	90	128			46
12 A 25		1	Clip on	38x36 (Øe X Øi)	2,5	177	90	120	2,2	15	
14 A 20		1	Clip on	60,3X52,8 (Øe X Øi)	2	209	120	150	9,2 (* A DIS)	20	

Model "A" Sprayballs

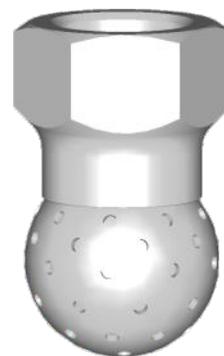
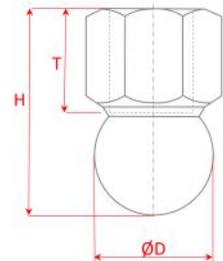
Sfere modello «A»



Flow rate (lt/h)				Wetting radius Wt (m)		Spray Pattern
0,5 (bar)	1 (bar)	2 (bar)	3 (bar)	min.	max	
390	500	900		0,5	1	360°
510	640	1050		0,5	1	360°
	1800	2600	3200	1	2,6	360°
	1800	2600	3200	1	2,6	360°
	1800	2600	3200	1	2,6	360°
	3700	5300	6200	3,8	9,6	360°
	5100	7200	8200	4,7	11,8	360°
	6600	9300	10100	1,9	4,8	360°
	5550	7900	8700	2,5	6,4	360°
	5400	7700	8500	2,4	6	360°
	7200	10300	11100	2,9	7,4	360°
	7900	11200	13100	2,8	6,9	360°
	8800	12400	14500	3,4	7,5	360°
	10500	14900	17300	6	15,2	360°
	10500	14900	17300	6	15,2	360°
	11200	15800	18300	6,8	17,1	360°
	15800	22300	25100	1	2,5	360°
	18000	25100	29100	3	7,6	360°
	18300	25800	29100	2,4	6,2	360°
	18800	25800	29500	2,6	7,6	360°
	18800	25800	29500	2,6	7,6	360°
	8400	11900	14000	3,2	7,9	360°
	12900	18200	21000	1,2	3,1	360°
	6260	8684	12200	1,5	1,8	360°
	7660	10772	12800	1,5	1,8	360°
	8504	11896	16300	1,5	1,8	360°
	7148	9700	11800	1,6	2,1	360°
	10824	16356	18400	1,6	2,1	360°
	15496	21408	22900	1,6	2,1	360°
	29800	44700	50200	3,1	8,7	360°
	24200	31600	36000	2	4,3	360°
	19000	25800	30100	2	5,1	360°

Model "AD" Sprayballs

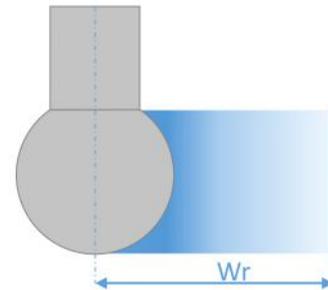
Sfere modello «AD»



Ordering no.			Connection		Dimension (mm)						
Code	Note	CAD	Type	Size	Outlet holes	Holes N°	ØD	Height max H	Clip on Hole ØC	Distance to bore hole A	Screw-in lenght T
28 AD 08		1	Female threaded	1/2"G BSP (Hex key 27)	0,8	50	28	48			25
28 AD 10		1	Female threaded	1/2"G BSP (Hex key 27)	10	50	28	48			25
28 AD 15		1	Female threaded	1/2"G BSP (Hex key 27)	15	50	28	48			25
28 AD 20		1	Female threaded	1/2"G BSP (Hex key 27)	20	50	28	48			25
28 AD 23		1	Female threaded	1/2"G BSP (Hex key 27)	2,3	50	28	48			25

Model "AD" Sprayballs

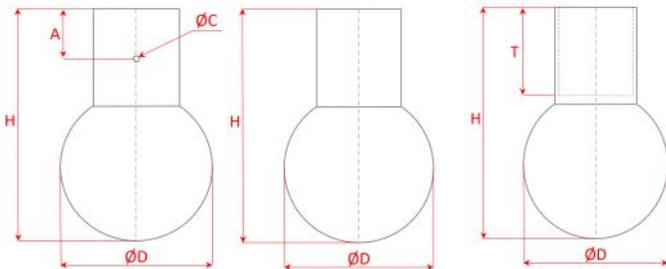
Sfere modello «AD»



Flow rate (lt/h)				Wetting radius Wt (m)		Spray Pattern
0,5 (bar)	1 (bar)	2 (bar)	3 (bar)	min.	max	
	900	1100	1350	2,8	3,2	240°
	1500	1710	2070	3,2	3,3	240°
	2960	3240	4200	3,4	3,5	240°
	5200	5400	6600	3,8	4,2	240°
	6900	7110	8730	4,2	4,6	240°

Model "AX" Sprayballs

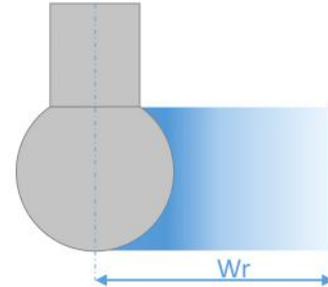
Sfere modello «AX»



Ordering no.			Connection		Dimension (mm)						
Code	Note	CAD	Type	Size	Outlet holes	Holes N°	ØD	Height max H	Clip on Hole ØC	Distance to bore hole A	Screw-in lenght T
1 AX 16		1	Clip on	28X26 (Øe X Øi)	1,6	121	65	89	2,2	12,5	
1 AX T20		1	Clip on	28X25,5 (Øe X Øi)	2	121	65	89	2,2	12,5	
1 AX 25		1	Clip on	28X26 (Øe X Øi)	2,5	121	65	89	2,2	12,5	
2 AX 16		1	Clip on	40,5x38,5 (Øe X Øi)	1,6	109	65	92	2,2	15	
2 AX 25		1	Clip on	40,5x38,5 (Øe X Øi)	2,5	109	65	92	2,2	15	
3 AX 16		1	Female threaded	¾" G BSP	1,6	121	65	92			36
3 AX 25		1	Female threaded	¾" G BSP	2,5	121	65	92			36
4 AX 16		1	Clip on	40,5x38,5 (Øe X Øi)	1,6	61	50	74	2,2	15	
6 AX 16		1	Clip on	32x30 (Øe X Øi)	1,6	121	65	94	2,2	15	
6 AX 25		1	Clip on	32x30 (Øe X Øi)	2,5	121	65	94	2,2	15	
6 AX S16		1	Welded	32x30 (Øe X Øi)	1,6	121	65	94	2,2		
7 AX 16		1	Clip on	38x36 (Øe X Øi)	1,6	109	65	92	2,2	15	
7 AX 25		1	Clip on	38x36 (Øe X Øi)	2,5	109	65	92	2,2	15	
8 AX 16		1	Clip on	22X20 (Øe X Øi)	1,6	81	50	74	2,2	12,5	
9 AX 16		1	Female threaded	½" G BSP	1,6	81	50	71			30
10 AX 16		1	Clip on	28X26 (Øe X Øi)	1,6	81	50	74	2,2	12,5	
11 AX 25		1	Female threaded	1¼" G BSP	2,5	177	90	124			45
12 AX 25		1	Clip on	38x36 (Øe X Øi)	2,5	177	90	118	2,2	15	
12 AX T25		1	Clip on	40,5x38,5 (Øe X Øi)	2,5	177	90	118	2,2	15	
14 AX 20		1	Clip on	60,3X52,8 (Øe X Øi)	2	209	120	150	9,2 (*A DIS)	20	
15 AX T20		1	Clip on	28X25,5 (Øe X Øi)	2	41	40	62	2,2	12,5	
15 AX 16		1	Clip on	22X20 (Øe X Øi)	1,6	49	40	62	2,2	12,5	
15 AX S16		1	Welded	22X20 (Øe X Øi)	1,6	49	40	62			
16 AX 13		1	Clip on	22X20 (Øe X Øi)	1,3	109	40	62	2,2	12,5	
17 AX U13		1	Clip on	16,1X14,1 (Øe X Øi)	1,3	71	28	39	2,2	9	
17 AX 13		1	Female threaded	¾" G BSP	1,3	71	28	39			17
17 AX T13		1	Clip on	15X12 (Øe X Øi)	1,3	71	28	41	2,2	12,5	

Model "AX" Sprayballs

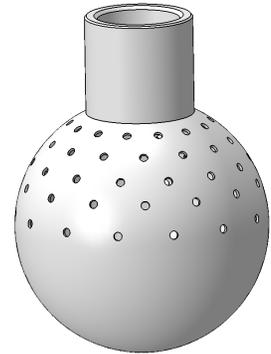
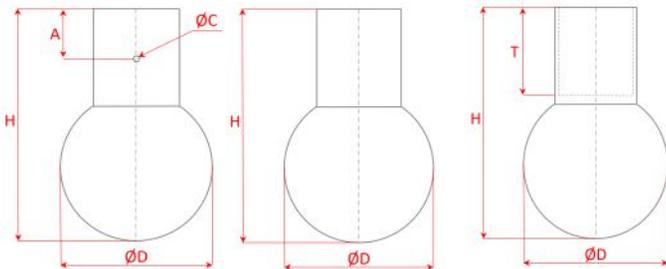
Sfere modello «AX»



Flow rate (lt/h)				Wetting radius Wt (m)		Spray Pattern
0,5 (bar)	1 (bar)	2 (bar)	3 (bar)	min.	max	
	8800	12400	14500	3,4	7,5	360° +↑
	12200	17400	20500	2,3	4	360° +↑
	15800	22300	26100	1	2,5	360° +↑
	10500	14900	17300	6	15,2	360° +↑
	18800	25800	29500	2,6	7,6	360° +↑
	8400	11900	14000	3,2	7,9	360° +↑
	12900	18200	21000	1,2	3,1	360° +↑
	6600	9300	10100	1,9	4,8	360° +↑
	7900	11200	13100	2,8	6,9	360° +↑
	18300	25100	29100	2,4	6,2	360° +↑
	7900	11200	13100	2,8	6,9	360° +↑
	11200	15800	18300	6,8	17,1	360° +↑
	18000	25800	29500	3	7,6	360°
	5550	7900	8700	2,5	6,4	360° +↑
	5400	7700	8500	2,4	6	360° +↑
	7200	10300	11100	2,9	7,4	360° +↑
	29800	44700	50200	3,1	8,7	360° +↑
	24200	31600	36000	2	4,3	360° +↑
	24200	31600	36000	2	4,3	360° +↑
	19000	25800	30100	2	5,1	360° +↑
	5000	7200	8000	2,7	8	360° +↑
	3700	5300	6200	3,8	9,6	360° +↑
	3700	5300	6200	3,8	9,6	360° +↑
	5100	7200	8200	4,7	11,8	360° +↑
	1800	2600	3200	1	2,6	360° +↑
	1800	2600	3200	1	2,6	360° +↑
	1800	2600	3200	1	2,6	360° +↑

Model "B" Sprayballs

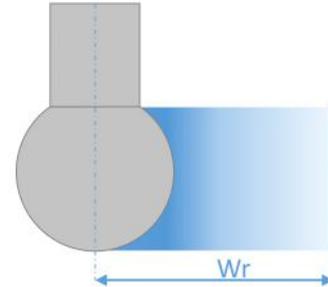
Sfere modello «B»



Ordering no.			Connection		Dimension (mm)						
Code	Note	CAD	Type	Size	Outlet holes	Holes N°	ØD	Height max H	Clip on Hole ØC	Distance to bore hole A	Screw-in lenght T
20 B 10		1	Welded	12x9 (Øe X Øi)	1	19	20	33			
20 B 16		1	Welded	12x9 (Øe X Øi)	1,6	19	20	33			
17 B 13		1	Female threaded	¼"G BSP	1,3	31	28	40			16
15 B 16		1	Clip on	22X20 (Øe X Øi)	1,6	25	40	65	2,2	12,5	
16 B 13		1	Clip on	22X20 (Øe X Øi)	1,3	64	40	65	2,2	12,5	
4 B 16		1	Clip on	40,5x38,5 (Øe X Øi)	1,6	21	50	78	2,2	15	
8 B 16		1	Clip on	22X20 (Øe X Øi)	1,6	41	50	76	2,2	12,5	
9 B 16		1	Female threaded	½"G BSP	1,6	41	50	74			29
10 B 16		1	Clip on	28X26 (Øe X Øi)	1,6	41	50	76	2,2	12,5	
6 B 16		1	Clip on	32x30 (Øe X Øi)	1,6	61	65	91	2,2	15	
2 B 16		1	Clip on	40,5x38,5 (Øe X Øi)	1,6	49	65	94	2,2	15	
5 B 16		1	Clip on	42,4x39,2 (Øe X Øi)	2,5	49	65	92	2,2	12,5	
1 B 16		1	Clip on	28X26 (Øe X Øi)	1,6	61	65	91	2,2	12,5	
7 B 16		1	Clip on	38x36 (Øe X Øi)	1,6	49	65	94	2,2	15	
7 B 25		1	Clip on	38x36 (Øe X Øi)	2,5	49	65	94	2,2	15	
2 B 25		1	Clip on	40,5x38,5 (Øe X Øi)	2,5	49	65	94	2,2	15	
5 B 25		1	Clip on	42,4x39,2 (Øe X Øi)	2,5	49	65	92	2,2	12,5	
6 B 25		1	Clip on	32x30 (Øe X Øi)	2,5	61	65	91	2,2	15	
1 B 25		1	Clip on	28X26 (Øe X Øi)	2,5	61	65	91	2,2	12,5	
3 B 16		1	Female threaded	¾ "G BSP	1,6	61	65	94			34
3 B 25		1	Female threaded	¾ "G BSP	2,5	61	65	94			34
18 B 16		1	Female threaded	¾ "G BSP	1,6	71	75	100			29
18 B 20		1	Female threaded	¾ "G BSP	2	71	75	100			29
18 B 25		1	Female threaded	¾ "G BSP	2,5	71	75	100			29
19 B 16		1	Female threaded	1"G BSP	1,6	57	75	102			34
19 B 20		1	Female threaded	1"G BSP	2	57	75	102			34
19 B 25		1	Female threaded	1"G BSP	2,5	57	75	102			34
11 B 25		1	Female threaded	1¼"G BSP	2,5	81	90	128			46
12 B 25		1	Clip on	38x36 (Øe X Øi)	2,5	81	90	120	2,2	15	
14 B 20		1	Clip on	60,3X52,8 (Øe X Øi)	2	109	120	150	9,2 (* A DIS)	20	

Model "B" Sprayballs

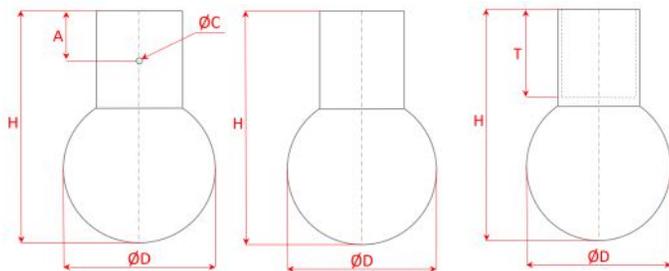
Sfere modello «B»



Flow rate (lt/h)				Wetting radius Wt (m)		Spray Pattern
0,5 (bar)	1 (bar)	2 (bar)	3 (bar)	min.	max	
273	350	620		0,5	1	180°↑
357	448	820		0,5	1	180°↑
	1200	1700	2000	1,6	4,2	180°↑
	2300	3300	3500	5,5	13,9	180°↑
	3000	4200	5100	6,4	16,1	180°↑
	4000	5600	6400	2,8	7,1	180°↑
	3400	4900	5700	3,8	9,7	180°↑
	3000	4300	5100	3	7,5	180°↑
	4700	6700	7500	4,3	10,8	180°↑
	4200	6000	7200	3,1	7,6	180°↑
	5200	7400	8900	2	5,4	180°↑
	5200	7400	8900	2	5,4	180°↑
	5300	7500	9000	4,9	12,3	180°↑
	6400	9000	10700	8,9	22,4	180°↑
	8100	11400	13400	2,4	6,1	180°↑
	8400	11500	13500	2	5,4	180°↑
	8400	11500	13500	2	5,4	180°↑
	9300	13300	15500	2,5	6,5	180°↑
	15800	22300	25600	1,8	4,6	180°↑
	4100	5800	7100	3	7,4	180°↑
	8700	12000	14000	2,2	5,2	180°↑
	3932	5252	5600	1,2	1,4	180°↑
	5608	7376	9300	1,2	1,4	180°↑
	7164	9932	11300	1,2	1,4	180°↑
	3476	4900	5800	1,4	1,6	180°↑
	5252	7372	9300	1,4	1,6	180°↑
	8072	11468	15300	1,4	1,6	180°↑
	12700	19100	14500	2,2	6,2	180°↑
	13400	17500	19800	2,4	5,2	180°↑
	10200	13900	16200	2,3	5,9	180°↑

Model "BX" Sprayballs

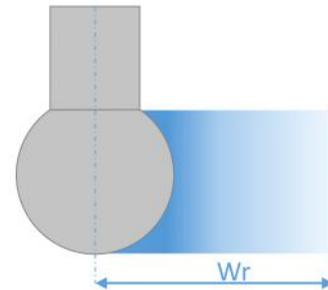
Sfere modello «BX»



Ordering no.			Connection		Dimension (mm)						
Code	Note	CAD	Type	Size	Outlet holes	Holes N°	ØD	Height max H	Clip on Hole ØC	Distance to bore hole A	Screw-in lenght T
1 BX 16		1	Clip on	28X26 (Øe X Øi)	1,6	61	65	91	2,2	12,5	
2 BX 25		1	Clip on	40,5x38,5 (Øe X Øi)	2,5	49	65	94	2,2	15	
8 BX 16		1	Clip on	22X20 (Øe X Øi)	1,6	41	50	74	2,2	12,5	
10 BX 16		1	Clip on	28X26 (Øe X Øi)	1,6	41	50	76	2,2	12,5	
12 BX T25		1	Clip on	40,5x38,5 (Øe X Øi)	2,5	81	90	118	2,2	15	
15 BX 16		1	Clip on	22X20 (Øe X Øi)	1,6	25	40	62	2,2	12,5	
16 BX 13		1	Clip on	22X20 (Øe X Øi)	1,3	64	40	62	2,2	12,5	
17 BX 13		1	Female threaded	¼"G BSP	1,3	31	28	39			16

Model "BX" Sprayballs

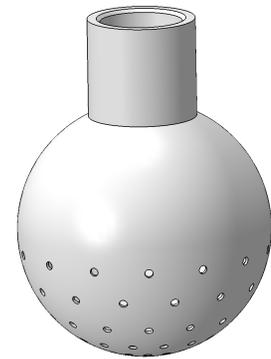
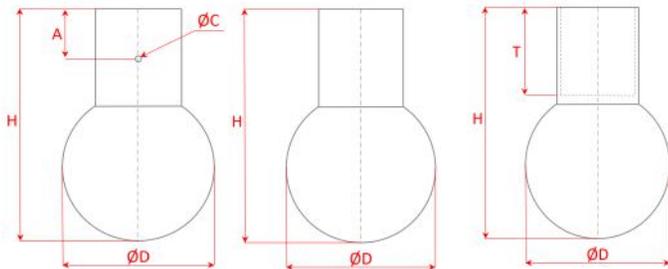
Sfere modello «BX»



Flow rate (lt/h)				Wetting radius Wt (m)		Spray Pattern
0,5 (bar)	1 (bar)	2 (bar)	3 (bar)	min.	max	
	5300	7500	9000	4,9	12,3	180°+↑
	8400	11500	13500	2	5,4	180°+↑
	3400	4900	5700	3,8	9,7	180°+↑
	4700	6700	7500	4,3	10,8	180°+↑
	13400	17500	19800	2,4	5,2	180°+↑
	2300	3300	3500	5,5	13,9	180°+↑
	3000	4200	5100	6,4	16,1	180°+↑
	1200	1700	2000	1,6	4,2	180°+↑

Model "C" Sprayballs

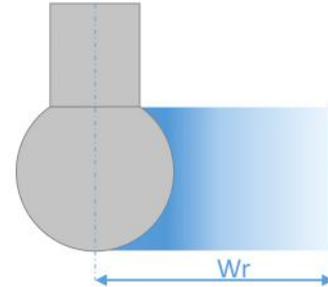
Sfere modello «C»



Ordering no.		Connection		Dimension (mm)								
Code	Note	CAD	Type	Size	Outlet holes	Holes N°	ØD	Height max H	Clip on Hole ØC	Distance to bore hole A	Screw-in lenght T	
20 C 10		1	Welded	12x9 (Øe X Øi)	1	16	20	33				
20 C 16		1	Welded	12x9 (Øe X Øi)	1,6	16	20	33				
17 C 13		1	Female threaded	¼"G BSP	1,3	41	28	40			16	
17 C U13		1	Clip on	16,1X14,1 (Øe X Øi)	1,3	41	28	44	2,2	9		
15 C 16		1	Clip on	22X20 (Øe X Øi)	1,6	25	40	65	2,2	12,5		
16 C 13		1	Clip on	22X20 (Øe X Øi)	1,3	46	40	65	2,2	12,5		
4 C 16		1	Clip on	40,5x38,5 (Øe X Øi)	1,6	41	50	78	2,2	15		
8 C 16		1	Clip on	22X20 (Øe X Øi)	1,6	41	50	76	2,2	12,5		
9 C 16		1	Female threaded	½"G BSP	1,6	41	50	74			29	
10 C 16		1	Clip on	28X26 (Øe X Øi)	1,6	41	50	76	2,2	12,5		
6 C 16		1	Clip on	32x30 (Øe X Øi)	1,6	61	65	91	2,2	15		
1 C 16		1	Clip on	28X26 (Øe X Øi)	1,6	61	65	91	2,2	12,5		
2 C 16		1	Clip on	40,5x38,5 (Øe X Øi)	1,6	61	65	94	2,2	15		
5 C 16		1	Clip on	42,4x39,2 (Øe X Øi)	2,5	61	65	92	2,2	12,5		
7 C 16		1	Clip on	38x36 (Øe X Øi)	1,6	61	65	94	2,2	15		
1 C 25		1	Clip on	28X26 (Øe X Øi)	2,5	61	65	91	2,2	12,5		
6 C 25		1	Clip on	32x30 (Øe X Øi)	2,5	61	65	91	2,2	15		
2 C 25		1	Clip on	40,5x38,5 (Øe X Øi)	2,5	61	65	94	2,2	15		
5 C 25		1	Clip on	42,4x39,2 (Øe X Øi)	2,5	61	65	92	2,2	12,5		
7 C 25		1	Clip on	38x36 (Øe X Øi)	2,5	61	65	94	2,2	15		
3 C 16		1	Female threaded	¾ "G BSP	1,6	61	65	94			34	
3 C 25		1	Female threaded	¾ "G BSP	2,5	61	65	94			34	
18 C 16		1	Female threaded	¾ "G BSP	1,6	71	75	100			29	
18 C 20		1	Female threaded	¾ "G BSP	2	71	75	100			29	
18 C 25		1	Female threaded	¾ "G BSP	2,5	71	75	100			29	
19 C 16		1	Female threaded	1"G BSP	1,6	71	75	102			34	
19 C 20		1	Female threaded	1"G BSP	2	71	75	102			34	
19 C 25		1	Female threaded	1"G BSP	2,5	71	75	102			34	
11 C 25		1	Female threaded	1½"G BSP	2,5	97	90	128			46	
12 C 25		1	Clip on	38x36 (Øe X Øi)	2,5	97	90	120	2,2	15		
14 C 20		1	Clip on	60,3X52,8 (Øe X Øi)	2	101	120	150	9,2 (* A DIS)	20		

Model "C" Sprayballs

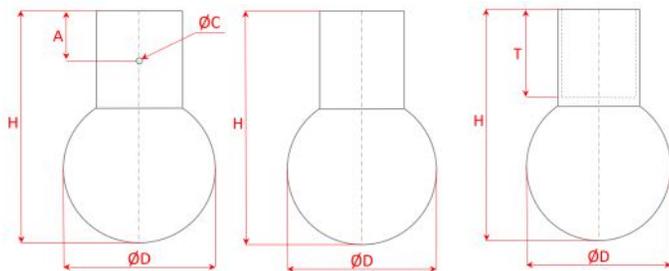
Sfere modello «C»



Flow rate (lt/h)				Wetting radius Wt (m)		Spray Pattern
0,5 (bar)	1 (bar)	2 (bar)	3 (bar)	min.	max	
312	400	760		0,5	1	180°↓
408	512	930		0,5	1	180°↓
	1400	2000	2300	2,2	5,7	180°↓
	1400	2000	2300	2,2	5,7	180°↓
	2300	3300	3800	5,9	14,9	180°↓
	3100	4400	4900	7	17,6	180°↓
	3700	5200	6000	2,3	5,8	180°↓
	3200	4600	5400	3,4	9,7	180°↓
	3100	4400	5200	3,2	8	180°↓
	4700	6700	7500	7,2	18,1	180°↓
	4300	6100	7400	3,3	8,1	180°↓
	5500	7800	9300	5,3	13,3	180°↓
	8100	11500	13500	7,4	18,7	180°↓
	8100	11500	13500	7,4	18,7	180°↓
	8300	11700	13700	9,1	22,9	180°↓
	10200	14400	16700	3	7,7	180°↓
	10500	15100	17500	3,2	8,3	180°↓
	11200	15400	17800	3,7	10	180°↓
	11200	15400	17800	3,7	10	180°↓
	11600	16400	18900	4,9	12,4	180°↓
	4400	6200	7600	3,4	8,4	180°↓
	9200	12700	14800	2,5	6	180°↓
	3932	5252	7200	1,2	1,4	180°↓
	5608	7376	9300	1,2	1,4	180°↓
	7164	9932	11300	1,2	1,4	180°↓
	3932	5252	7200	1,4	1,6	180°↓
	5608	7376	9400	1,4	1,6	180°↓
	7164	9932	11200	1,4	1,6	180°↓
	15900	23900	25600	3,4	9,5	180°↓
	15900	20800	23200	3,4	7,3	180°↓
	8900	12100	14800	1,7	4,3	180°↓

Model "CX" Sprayballs

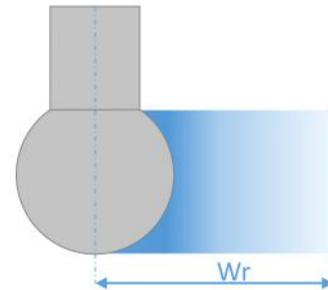
Sfere modello «CX»



Ordering no.			Connection		Dimension (mm)						
Code	Note	CAD	Type	Size	Outlet holes	Holes N°	ØD	Height max H	Clip on Hole ØC	Distance to bore hole A	Screw-in lenght T
1 CX 16	Spec. no +↑	1	Clip on	28X26 (Øe X Øi)	1,6	61	65	89	2,2	12,5	
3 CX 16	Spec. no +↑	1	Female threaded	¾" G BSP	1,6	61	65	92			34
8 CX 16	Spec. no +↑	1	Clip on	22X20 (Øe X Øi)	1,6	41	50	74	2,2	12,5	
9 CX 16	Spec. no +↑	1	Female threaded	½" G BSP	1,6	41	50	74			29
15 CX 16	Spec. no +↑	1	Clip on	22X20 (Øe X Øi)	1,6	25	40	62	2,2	12,5	
16 CX 13	Spec. no +↑	1	Clip on	22X20 (Øe X Øi)	1,3	46	40	63	2,2	12,5	
17 CX 13	Spec. no +↑	1	Female threaded	¾" G BSP	1,3	41	28	39			16

Model "CX" Sprayballs

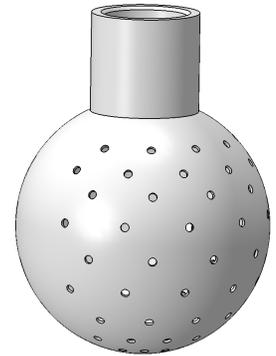
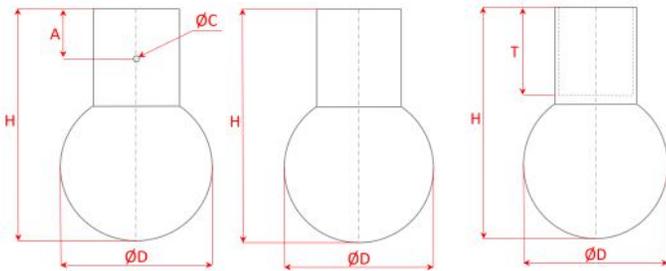
Sfere modello «CX»



Flow rate (lt/h)				Wetting radius Wt (m)		Spray Pattern
0,5 (bar)	1 (bar)	2 (bar)	3 (bar)	min.	max	
	5500	7800	9300	5,3	13,3	180°↓
	4400	6200	7600	3,4	8,4	180°↓
	3200	4600	5400	3,4	9,7	180°↓
	3100	4400	5200	3,2	8	180°↓
	2300	3300	3800	5,9	14,9	180°↓
	3100	4400	4900	7	17,6	180°↓
	1400	2000	2300	2,2	5,7	180°↓

Model "D" Sprayballs

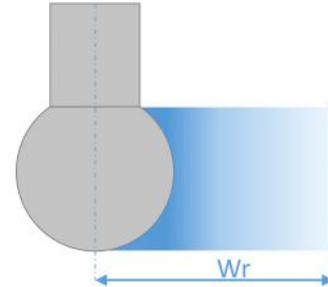
Sfere modello «D»



Ordering no.			Connection		Dimension (mm)						
Code	Note	CAD	Type	Size	Outlet holes	Holes N°	ØD	Height max H	Clip on Hole ØC	Distance to bore hole A	Screw-in lenght T
20 D 10		1	Welded	12x9 (Øe X Øi)	1	35	20	33			
20 D 16		1	Welded	12x9 (Øe X Øi)	1,6	35	20	33			
17 D 13		1	Female threaded	¼"G BSP	1,3	40	28	40			16
15 D 16		1	Clip on	22X20 (Øe X Øi)	1,6	28	40	65	2,2	12,5	
16 D 13		1	Clip on	22X20 (Øe X Øi)	1,3	58	40	65	2,2	12,5	
4 D 16		1	Clip on	40,5x38,5 (Øe X Øi)	1,6	34	50	78	2,2	15	
8 D 16		1	Clip on	22X20 (Øe X Øi)	1,6	45	50	76	2,2	12,5	
9 D 16		1	Female threaded	½"G BSP	1,6	45	50	74			29
10 D 16		1	Clip on	28X26 (Øe X Øi)	1,6	45	50	76	2,2	12,5	
6 D 16		1	Clip on	32x30 (Øe X Øi)	1,6	66	65	91	2,2	15	
1 D 16		1	Clip on	28X26 (Øe X Øi)	1,6	66	65	91	2,2	12,5	
2 D 16		1	Clip on	40,5x38,5 (Øe X Øi)	1,6	59	65	94	2,2	15	
5 D 16		1	Clip on	42,4x39,2 (Øe X Øi)	2,5	59	65	92	2,2	12,5	
7 D 16		1	Clip on	38x36 (Øe X Øi)	1,6	59	65	94	2,2	15	
6 D 25		1	Clip on	32x30 (Øe X Øi)	2,5	66	65	91	2,2	15	
2 D 25		1	Clip on	40,5x38,5 (Øe X Øi)	2,5	59	65	92	2,2	15	
5 D 25		1	Clip on	42,4x39,2 (Øe X Øi)	2,5	59	65	92	2,2	12,5	
7 D 25		1	Clip on	38x36 (Øe X Øi)	2,5	59	65	94	2,2	15	
1 D 25		1	Clip on	28X26 (Øe X Øi)	2,5	66	65	91	2,2	12,5	
3 D 16		1	Female threaded	¾"G BSP	1,6	66	65	94			34
3 D 25		1	Female threaded	¾"G BSP	2,5	66	65	94			34
18 D 16		1	Female threaded	¾"G BSP	1,6	76	75	100			29
18 D 20		1	Female threaded	¾"G BSP	2	76	75	100			29
18 D 25		1	Female threaded	¾"G BSP	2,5	76	75	100			29
19 D 16		1	Female threaded	1"G BSP	1,6	69	75	102			34
19 D 20		1	Female threaded	1"G BSP	2	69	75	102			34
19 D 25		1	Female threaded	1"G BSP	2,5	69	75	102			34
11 D 25		1	Female threaded	1½"G BSP	2,5	94	90	128			46
12 D 25		1	Clip on	38x36 (Øe X Øi)	2,5	94	90	120	2,2	15	
14 D 20		1	Clip on	60,3X52,8 (Øe X Øi)	2	111	120	150	9,2 (* A DIS)	20	

Model "D" Sprayballs

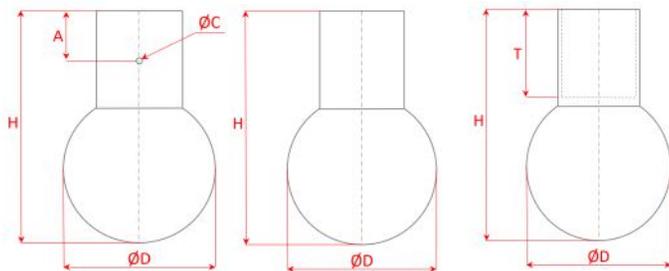
Sfere modello «D»



Flow rate (lt/h)				Wetting radius Wt (m)		Spray Pattern
0,5 (bar)	1 (bar)	2 (bar)	3 (bar)	min.	max	
312	400	760		0,5	1	180°→
408	512	930		0,5	1	180°→
	1400	2000	2500	2,3	6	180°→
	2400	3400	3800	6,1	15,4	180°→
	3100	4400	5000	7,1	17,8	180°→
	3900	5500	6300	2,6	6,6	180°→
	3500	5000	5800	4,1	10,5	180°→
	3300	4700	5500	3,6	9	180°→
	4500	6400	7200	7,2	18,1	180°→
	4300	6100	7400	3,2	7,9	180°→
	5300	7500	9000	5	12,5	180°→
	7700	10900	12800	6,9	17,5	180°→
	7700	10900	12800	6,9	17,5	180°→
	7800	11000	12900	8,8	22,1	180°→
	10100	14500	16800	3	7,8	180°→
	10200	14000	16300	3	8,1	180°→
	10200	14000	16300	3	8,1	180°→
	10400	14700	17000	3,9	9,9	180°→
	10500	14800	17200	3,2	8,2	180°→
	4400	6200	7600	3,3	8,1	180°→
	9200	12700	14800	2,5	6	180°→
	4224	5788	7600	1,2	1,4	180°→
	5948	8128	10100	1,2	1,4	180°→
	7344	10256	12200	1,2	1,4	180°→
	3932	5252	7200	1,4	1,6	180°→
	5608	7376	9400	1,4	1,6	180°→
	7164	9932	15500	1,4	1,6	180°→
	15900	23900	25000	3,1	8,7	180°→
	14200	18500	20100	2,8	6	180°→
	10000	13600	16800	2,2	5,6	180°→

Model "DX" Sprayballs

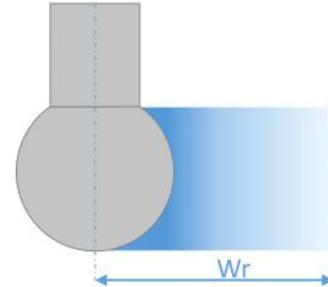
Sfere modello «DX»



Ordering no.			Connection		Dimension (mm)						
Code	Note	CAD	Type	Size	Outlet holes	Holes N°	ØD	Height max H	Clip on Hole ØC	Distance to bore hole A	Screw-in lenght T
2 DX 16		1	Clip on	40,5x38,5 (Øe X Øi)	1,6	59	65	94	2,2	15	
2 DX 25		1	Clip on	40,5x38,5 (Øe X Øi)	2,5	59	65	92	2,2	15	
9 DX 16		1	Female threaded	½"G BSP	1,6	45	50	71			30
15 DX 16		1	Clip on	22X20 (Øe X Øi)	1,6	58	40	62	2,2	12,5	
16 DX 13		1	Clip on	22X20 (Øe X Øi)	1,3	58	40	62	2,2	12,5	
17 DX 13		1	Female threaded	¼"G BSP	1,3	40	28	40			16

Model "DX" Sprayballs

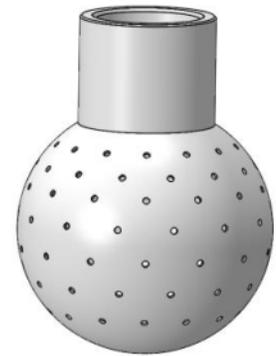
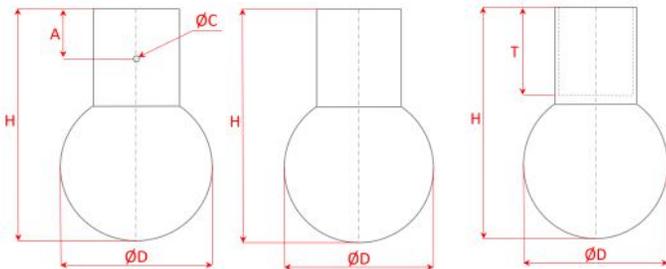
Sfere modello «DX»



Flow rate (lt/h)				Wetting radius Wt (m)		Spray Pattern
0,5 (bar)	1 (bar)	2 (bar)	3 (bar)	min.	max	
	7700	10900	12800	6,9	17,5	180°+→
	10200	14000	16300	3	8,1	180°+→
	3300	4700	5500	3,6	9	180°→
	2400	3400	3800	6,1	15,4	180°+→
	3100	4400	5000	7,1	17,8	180°+→
	1400	2000	2500	2,3	6	180°+→

Model "E" Sprayballs

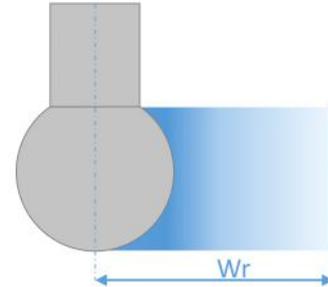
Sfere modello «E»



Ordering no.			Connection		Dimension (mm)						
Code	Note	CAD	Type	Size	Outlet holes	Holes N°	ØD	Height max H	Clip on Hole ØC	Distance to bore hole A	Screw-in lenght T
20 E 10		1	Welded	12x9 (Øe X Øi)	1	31	20	33			
20 E 16		1	Welded	12x9 (Øe X Øi)	1,6	31	20	33			
17 E 13		1	Female threaded	¼"G BSP	1,3	66	28	40			16
15 E 16		1	Clip on	22x20 (Øe X Øi)	1,6	49	40	65	2,2	12,5	
16 E 13		1	Clip on	22x20 (Øe X Øi)	1,3	109	40	65	2,2	12,5	
4 E 16		1	Clip on	40,5x38,5 (Øe X Øi)	1,6	51	50	78	2,2	15	
8 E 16		1	Clip on	22x20 (Øe X Øi)	1,6	71	50	76	2,2	12,5	
9 E 16		1	Female threaded	½"G BSP	1,6	71	50	74			29
10 E 16		1	Clip on	28x26 (Øe X Øi)	1,6	71	50	76	2,2	12,5	
6 E 16		1	Clip on	32x30 (Øe X Øi)	1,6	97	65	91	2,2	15	
1 E 16		1	Clip on	28x26 (Øe X Øi)	1,6	97	65	91	2,2	12,5	
2 E 16		1	Clip on	40,5x38,5 (Øe X Øi)	1,6	85	65	94	2,2	15	
5 E 16		1	Clip on	42,4x39,2 (Øe X Øi)	1,6	85	65	91	2,2	12,5	
7 E 16		1	Clip on	38x36 (Øe X Øi)	1,6	85	65	94	2,2	15	
1 E 25		1	Clip on	28x26 (Øe X Øi)	2,5	97	65	91	2,2	12,5	
6 E 25		1	Clip on	32x30 (Øe X Øi)	2,5	97	65	91	2,2	15	
7 E 25		1	Clip on	38x36 (Øe X Øi)	2,5	85	65	94	2,2	15	
2 E 25		1	Clip on	40,5x38,5 (Øe X Øi)	2,5	85	65	94	2,2	15	
5 E 25		1	Clip on	42,4x39,2 (Øe X Øi)	2,5	85	65	91	2,2	12,5	
3 E 16		1	Female threaded	¾ "G BSP	1,6	97	65	94			34
3 E 25		1	Female threaded	¾ "G BSP	2,5	97	65	94			34
18 E 16		1	Female threaded	¾ "G BSP	1,6	113	75	100			29
18 E 20		1	Female threaded	¾ "G BSP	2	113	75	100			29
18 E 25		1	Female threaded	¾ "G BSP	2,5	113	75	100			29
19 E 16		1	Female threaded	1"G BSP	1,6	99	75	102			34
19 E 20		1	Female threaded	1"G BSP	2	99	75	102			34
19 E 25		1	Female threaded	1"G BSP	2,5	99	75	102			34
11 E 25		1	Female threaded	1¼"G BSP	2,5	145	90	128			46
11 E 16		1	Female threaded	1¼"G BSP	1,6	145	90	128			46
12 E 25		1	Clip on	38x36 (Øe X Øi)	2,5	145	90	120	2,2	15	
12 E 16		1	Clip on	38x36 (Øe X Øi)	1,6	145	90	120	2,2	15	
14 E 20		1	Clip on	60,3x52,8 (Øe X Øi)	2	181	120	150	9,2 (* A DIS)	20	

Model "E" Sprayballs

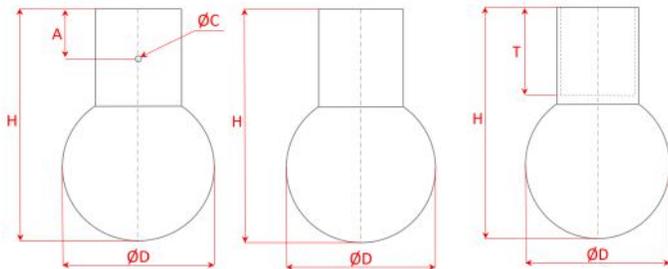
Sfere modello «E»



Flow rate (lt/h)				Wetting radius Wt (m)		Spray Pattern
0,5 (bar)	1 (bar)	2 (bar)	3 (bar)	min.	max	
351	450	830		0,5	1	270°↑
459	576	940		0,5	1	270°↑
	1698	2264	2359	1	2,5	270°↑
	3300	4700	5500	3,9	9,7	270°↑
	4600	6500	7500	4,8	11,9	270°↑
	6000	8400	9200	2	4,9	270°↑
	5000	7100	7900	2,6	6,5	270°↑
	4800	6900	7700	2,3	5,9	270°↑
	6400	9200	10000	4,4	10,9	270°↑
	7100	10000	11800	2,9	7	270°↑
	7900	11100	13100	3,4	2,5	270°↑
	9400	13400	15600	6,1	15,3	270°↑
	9400	13400	15600	6,1	15,3	270°↑
	10000	14200	16600	6,9	17,2	270°↑
	14200	20000	23200	2,1	5	270°↑
	16200	23200	26600	2,5	6,3	270°↑
	16500	23200	26600	3,1	7,7	270°↑
	16900	23200	26600	2,7	7,6	270°↑
	16900	23200	26600	2,7	7,6	270°↑
	7600	10700	12600	3,3	8	270°↑
	11600	16300	18900	1,2	3,2	270°↑
	5634	7815	9800	1,5	1,8	270°↑
	6894	9700	12600	1,5	1,8	270°↑
	7650	10700	12600	1,5	1,8	270°↑
	6433	8730	10600	1,6	2,1	270°↑
	9740	14700	17500	1,6	2,1	270°↑
	14040	18400	20300	1,6	2,1	270°↑
	26800	40200	45900	3,2	8,8	270°↑
	9600	13200	15100	3,5	8	270°↑
	21800	28400	29500	2,1	4,4	270°↑
	10200	13900	17300	3	5	270°↑
	17000	23200	27100	2,1	5,1	270°↑

Model "EX" Sprayballs

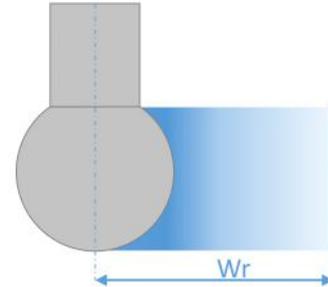
Sfere modello «EX»



Ordering no.			Connection		Dimension (mm)						
Code	Note	CAD	Type	Size	Outlet holes	Holes N°	ØD	Height max H	Clip on Hole ØC	Distance to bore hole A	Screw-in lenght T
1 EX 16		1	Clip on	28x26 (Øe X Øi)	1,6	97	65	89	2,2	12,5	
1 EX 25		1	Clip on	28x26 (Øe X Øi)	2,5	97	65	89	2,2	12,5	
2 EX 16		1	Clip on	40,5x38,5 (Øe X Øi)	1,6	85	65	92	2,2	15	
2 EX 25		1	Clip on	40,5x38,5 (Øe X Øi)	2,5	85	65	92	2,2	15	
3 EX 16		1	Female threaded	¾" G BSP	1,6	97	65	92			36
3 EX 25		1	Female threaded	¾" G BSP	2,5	97	65	92			36
4 EX 16		1	Clip on	40,5x38,5 (Øe X Øi)	1,6	51	50	74	2,2	15	
6 EX 16		1	Clip on	32x30 (Øe X Øi)	1,6	97	65	94	2,2	15	
6 EX 25		1	Clip on	32x30 (Øe X Øi)	2,5	97	65	94	2,2	15	
7 EX 16		1	Clip on	38x36 (Øe X Øi)	1,6	85	65	92	2,2	15	
7 EX 25		1	Clip on	38x36 (Øe X Øi)	2,5	85	65	92	2,2	15	
8 EX 16		1	Clip on	22x20 (Øe X Øi)	1,6	71	50	74	2,2	12,5	
9 EX 16		1	Female threaded	½" G BSP	1,6	71	50	71			30
10 EX 16		1	Clip on	28x26 (Øe X Øi)	1,6	71	50	74	2,2	12,5	
11 EX 25		1	Female threaded	1¼" G BSP	2,5	145	90	124			45
11 EX 16		1	Female threaded	1¼" G BSP	1,6	145	90	124			45
12 EX 25		1	Clip on	38x36 (Øe X Øi)	2,5	145	90	118	2,2	15	
12 EX 16		1	Clip on	38x36 (Øe X Øi)	1,6	145	90	118	2,2	15	
14 EX 20		1	Clip on	60,3x52,8 (Øe X Øi)	2	181	120	150	9,2 (* A DIS)	20	
15 EX 16		1	Clip on	22x20 (Øe X Øi)	1,6	49	40	62	2,2	12,5	
16 EX 13		1	Clip on	22x20 (Øe X Øi)	1,3	109	40	62	2,2	12,5	
17 EX 13		1	Female threaded	¾" G BSP	1,3	66	28	39			17

Model "EX" Sprayballs

Sfere modello «EX»



Flow rate (lt/h)				Wetting radius Wt (m)		Spray Pattern
0,5 (bar)	1 (bar)	2 (bar)	3 (bar)	min.	max	
	7900	11100	13100	3,4	2,5	270° + ↑
	14200	20000	23200	2,1	5	270° + ↑
	9400	13400	15600	6,1	15,3	270° + ↑
	16900	23200	26600	2,7	7,6	270° + ↑
	7600	10700	12600	3,3	8	270° + ↑
	11600	16300	18900	1,2	3,2	270° + ↑
	6000	8400	9200	2	4,9	270° + ↑
	7100	10000	11800	2,9	7	270° + ↑
	16200	23200	26600	2,5	6,3	270° + ↑
	10000	14200	16600	6,9	17,2	270° + ↑
	16500	23200	26600	3,1	7,7	270° + ↑
	5000	7100	7900	2,6	6,5	270° + ↑
	4800	6900	7700	2,3	5,9	270° + ↑
	6400	9200	10000	4,4	10,9	270° + ↑
	26800	40200	45900	3,2	8,8	270° + ↑
	9600	13200	15100	3,5	8	270° + ↑
	21800	28400	29500	2,1	4,4	270° + ↑
	10200	13900	17300	3	5	270° + ↑
	17000	23200	27100	2,1	5,1	270° + ↑
	3300	4700	5500	3,9	9,7	270° + ↑
	4600	6500	7500	4,8	11,9	270° + ↑
	1698	2264	2359	1	2,5	270° + ↑



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