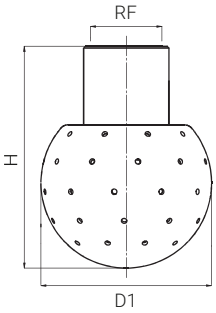
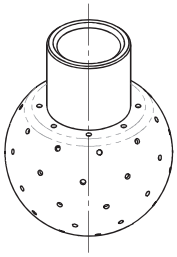
UAC

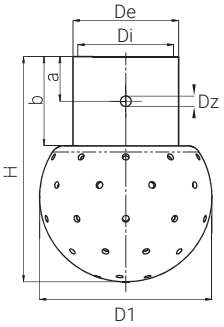
UAC fixed spray heads are a simple, fast and efficient device for cleaning the inside of small size tanks where a simple rinsing action is required. Because of the relatively high washing fluid flow rate, they are usually operated at low pressures and can achieve a limited impact action on the tank wall. Their simple design allows for the head to be easily cleaned after being operated, which makes it possible to leave the heads permanently in place ready for use. The values for wetting radiuses shown at the right of the table have been obtained operating the heads with a water pressure value of 1 bar. On request, heads with electropolishing Ra < 0,8 µm are available, in order to have roughness for alimentary applications.

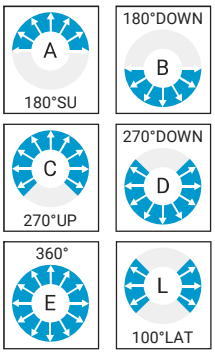
MATERIAL:
- 31 AISI 316L STAINLESS STEEL
- L8 HASTELLOY C267 (ON REQUEST)
- H1 TITANIUM GR2 (ON REQUEST)

CONNECTION: FEMALE THREAD (BSPP - NPT); CLIP-ON; WELDED.









SERIES	Size available (mm)						Capacity code	Mat.	Coverage						Thread dimension							Connection				Capacity at different pressures (bar)					WR
		A	B	C	D	E									RF						Clip / Welded	Threaded		Clip-on	Welded						
	D1	30	40	50	65	90																BSPP	NPT			0,5	1,0	1,0	2,0	3,0	
	H	40	53	65	85	110																									
(Clip)	a	8	9,5	11,5	15	19																									
	b	16	21	23	30	38																									
	Dz	2,2	2,5	2,5	2,8	3,3		AISI 316L	180° up	180° down	270° up	270° down	360°	100° lat	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"					l/min	m³/h	l/min	l/min	l/min	m
UAC	A						012	B31	A	B	C*	D*	E*	L*	A						See tables "Clip-on and welded connection size" for De x Di (mm) size available	G	N	C	W	14,0	1,20	20,0	28,0	35,0	0,5
UAC	A						014	B31	A	B	C*	D*	E*	L*	A						See tables "Clip-on and welded connection size" for De x Di (mm) size available	G	N	C	W	16,0	1,40	23,3	33,0	40,0	0,8
UAC	A						018	B31	A	B	C*	D*	E*	L*	A						See tables "Clip-on and welded connection size" for De x Di (mm) size available	G	N	C	W	21,0	1,80	30,0	42,0	54,0	0,8
UAC	A						021	B31	A	B	C*	D*	E*	L*	A						See tables "Clip-on and welded connection size" for De x Di (mm) size available	G	N	C	W	25,0	2,10	35,0	50,0	61,0	1,0
UAC		B					031	B31	A	B	C	D	E	L		B					See tables "Clip-on and welded connection size" for De x Di (mm) size available	G	N	C	W	37,0	3,10	51,7	73,0	90,0	1,1
UAC		B					038	B31	A	B	C	D	E	L		B					See tables "Clip-on and welded connection size" for De x Di (mm) size available	G	N	C	W	45,0	3,80	63,3	90,0	110	1,2
UAC		B					047	B31	A	B	C	D	E	L		B					See tables "Clip-on and welded connection size" for De x Di (mm) size available	G	N	C	W	55,0	4,70	78,3	111	136	0,9
UAC		B					054	B31	A	B	C	D	E	L		B					See tables "Clip-on and welded connection size" for De x Di (mm) size available	G	N	C	W	64,0	5,40	90,0	127	156	1,0
UAC		B					063	B31	A	B	C	D	E	L		B					See tables "Clip-on and welded connection size" for De x Di (mm) size available	G	N	C	W	74,0	6,30	105	149	182	1,2
UAC			C				072	B31	A	B	C	D	E	L			C				See tables "Clip-on and welded connection size" for De x Di (mm) size available	G	N	C	W	85,0	7,20	120	170	208	1,3
UAC			C				078	B31	A	B	C	D	E	L			C				See tables "Clip-on and welded connection size" for De x Di (mm) size available	G	N	C	W	92,0	7,80	130	184	225	1,5
UAC			C				086	B31	A	B	C	D	E	L			C				See tables "Clip-on and welded connection size" for De x Di (mm) size available	G	N	C	W	101	8,60	143	203	248	1,6
UAC				D			092	B31	A	B	C	D	E	L				D			See tables "Clip-on and welded connection size" for De x Di (mm) size available	G	N	C	W	108	9,20	153	217	266	1,6
UAC				D			102	B31	A	B	C	D	E	L				D			See tables "Clip-on and welded connection size" for De x Di (mm) size available	G	N	C	W	120	10,2	170	240	295	1,7
UAC				D			110	B31	A	B	C	D	E	L				D			See tables "Clip-on and welded connection size" for De x Di (mm) size available	G	N	C	W	130	11,0	183	250	318	1,8
UAC				D			123	B31	A	B	C	D	E	L				D			See tables "Clip-on and welded connection size" for De x Di (mm) size available	G	N	C	W	145	12,3	205	290	355	1,8
UAC						E	132	B31	A	B	C	D	E	L					E		See tables "Clip-on and welded connection size" for De x Di (mm) size available	G	N	C	W	155	13,2	220	310	381	1,9
UAC						E	157	B31	A	B	C	D	E	L					E		See tables "Clip-on and welded connection size" for De x Di (mm) size available	G	N	C	W	185	15,7	262	370	453	2,0
UAC						E	160	B31	A	B	C	D	E	L					E		See tables "Clip-on and welded connection size" for De x Di (mm) size available	G	N	C	W	190	16,0	267	277	462	2,0
UAC						E	175	B31	A	B	C	D	E	L					E		See tables "Clip-on and welded connection size" for De x Di (mm) size available	G	N	C	W	207	17,5	292	413	505	2,1
UAC						E	209	B31	A	B	C	D	E	L					E		See tables "Clip-on and welded connection size" for De x Di (mm) size available	G	N	C	W	246	20,9	348	492	603	2,4
UAC						E	217	B31	A	B	C	D	E	L					E		See tables "Clip-on and welded connection size" for De x Di (mm) size available	G	N	C	W	256	21,7	362	512	627	2,5
UAC						E	228	B31	A	B	C	D	E	L					E	G	See tables "Clip-on and welded connection size" for De x Di (mm) size available	G	N	C	W	270	22,8	380	537	660	2,7
UAC						E	242	B31	A	B	C	D	E	L					E	G	See tables "Clip-on and welded connection size" for De x Di (mm) size available	G	N	C	W	285	24,2	403	570	700	2,8
UAC						E	286	B31	A	B	C	D	E	L					E	G	See tables "Clip-on and welded connection size" for De x Di (mm) size available	G	N	C	W	337	28,6	477	675	825	3,0
UAC						E	321	B31	A	B	C	D	E	L					E	G	See tables "Clip-on and welded connection size" for De x Di (mm) size available	G	N	C	W	380	32,1	535	755	925	3,1
UAC						E	371	B31	A	B	C	D	E	L					E	G	See tables "Clip-on and welded connection size" for De x Di (mm) size available	G	N	C	W	437	37,1	618	875	1070	3,2
UAC						E	431	B31	A	B	C	D	E	L					E	G	See tables "Clip-on and welded connection size" for De x Di (mm) size available	G	N	C	W	510	43,1	718	1015	1245	3,4
UAC						E	491	B31	A	B	C	D	E	L					E	G	See tables "Clip-on and welded connection size" for De x Di (mm) size available	G	N	C	W	580	49,1	818	1160	1412	3,5

*Lettters marked with * in "Spray coverage" section state that those models are not available for "Thread Dimension" = 1/8" (letter A)*

UAC

HOW TO CREATE THE COMPLETE CODE

Size available (mm)

		A	B	C	D	E
D1		30	40	50	65	90
H		40	53	65	85	110
(Clip)	a	8	9,5	11,5	15	19
(Clip)	b	16	21	23	30	38
(Clip)	Dz	2,2	2,5	2,5	2,8	3,3

Code

SERIES	Size available (mm)	Capacity code	Mat. (AISI 316L)	Spray coverage (180° up, 180° down, 270° up, 270° down, 360°, 100° lat)	Thread dimension RF (1/8", 1/4", 3/8", 1/2", 3/4", 1", 1-1/4", Clip / Welded)	Connection (Threaded: BSPP, NPT; Clip-on; Welded)	Capacity at different pressures (bar) 0,5 l/min	1,0 m³/h	1,0 l/min	2,0 l/min	3,0 l/min	WR m
UAC		063	B31	A B C D E L		G N C W	74,0	6,30	105	149	182	1,2
UAC	C	072	B31	A B C D E L	E	G N C W	85,0	7,20	120	170	208	1,3
UAC		078	B31	A B C D E L		G N C W	92,0	7,80	130	184	225	1,5

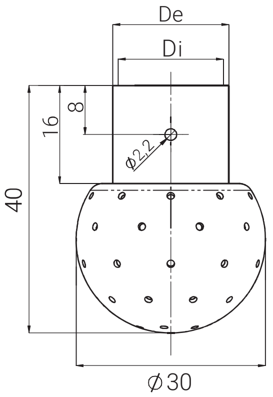
Complete code **UAC C072 B31DEG**

Series	UAC	Fixed spray head
Size	C	Diameter 50 mm
Capacity code	072	7,2 [m³/h] @ 1bar
Material	B31	AISI 316L
Spray coverage	D	270° down
Thread dimension	E	3/4"
Connection	G	BSPP

CLIP-ON AND WELDED CONNECTION SIZE

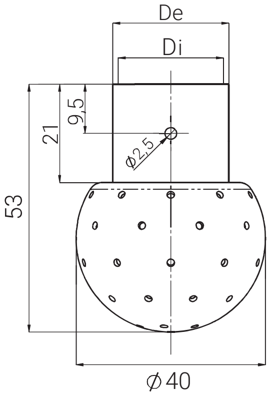
In 2016, Standard DIN 11866 gathered some of the most important standards regarding inox pipes. Some of our products can already couple to pipes respondent to these standards. Pipes with dimensions in compliance with obsolete standards are very common, therefore they are still produced without problems by PNR Italia. We are also available to guarantee the connection with every pipe that has a thickness within the standard values.

In the following table you can find the dimension we can provide.



Type A Ø30mm

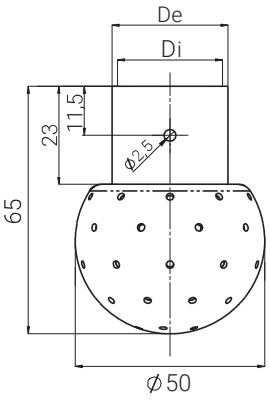
	CLIP-ON (De x Di)	CLIP-ON Pipe	WELDED (De x Di)	WELDED Pipe
A	Ø 20 x 18	/	/	/
B	Ø 22 x 20	/	Ø 13,7 x 9,2	ASTM A 213 1/4" 40S
C	Ø 14,5 x 12,5	DN10 - DIN 11850/1	Ø 17,1 x 12,4	ASTM A 213 3/8" 40S
D	Ø 15,5 x 13,5	DN10 - DIN 11886/A	Ø 12 x 10	DN10 - DIN 11886/1
E	Ø 20,5 x 18,5	/	Ø 13 x 10	DN10 - DIN 11886/A
F	Ø 16,2 x 14,2	ASTM A 213 1/4"	Ø 18 x 16	DN15 - DIN 11850/1
J	Ø 19,6 x 17,6	ASTM A 213 3/8"	Ø 19 x 16	DN15 - DIN 11886/A
H	Ø 12 x 10	DN10 - DIN 11886/C	Ø 6,35 x 4,55	DN8 - DIN 11886/C



Type B Ø40mm

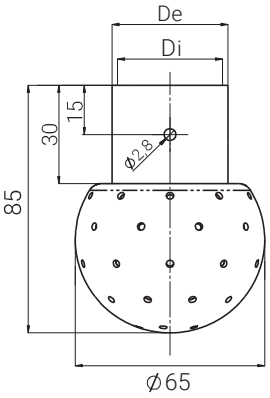
	CLIP-ON (De x Di)	CLIP-ON Pipe	WELDED (De x Di)	WELDED Pipe
A	Ø 20 x 18	/	Ø 18 x 16	DN15 - DIN 11850/1
B	Ø 22 x 20	/	Ø 19 x 17	DN15 - DIN 11886/A
C	Ø 24,5 x 22,5	DN10 - DIN 11850/1	Ø 17,1 x 12,4	ASTM A 213 3/8" 40S
D	Ø 25,5 x 23,5	DN20 - DIN 11886/A	Ø 21,3 x 15,8	ASTM A 213 1/2" 40S
E	Ø 16,2 x 14,2	ASTM A 213 1/4"	Ø 22 x 20	DN20 - DIN 11850/1
F	Ø 19,6 x 17,6	ASTM A 213 3/8"	Ø 23 x 20	DN20 - DIN 11886/A
G	Ø 23,8 x 21,8	DN15 - DIN 11886/B	Ø 25,4 x 22,2	DN25 - DIN 11886/C

UAC



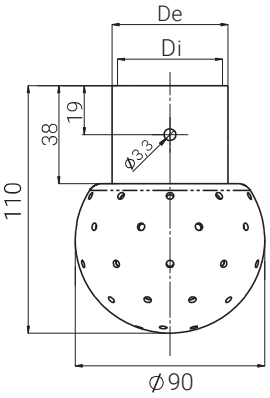
Type C Ø50mm

	CLIP-ON		WELDED	
	(De x Di)	Pipe	(De x Di)	Pipe
A	Ø 24,5 x 22,5	DN15 - DIN 11886/B	Ø 22 x 20	DN20 - DIN 11850/1
B	Ø 25,5 x 23,5	DN20 - DIN 11886/A	Ø 23 x 20	DN20 - DIN 11886/A
C	Ø 23,8 x 21,8	DN15 - DIN 11886/B	Ø 21,3 x 15,8	ASTM A 213 1/2" 40S
D	Ø 28 x 26	DN25 - DIN 11886/C	Ø 26,7 x 20,9	ASTM A 213 3/4" 40S
E	Ø 30,2 x 28,2	DN25 - DIN 11886/B	Ø 29 x 26	DN25 - DIN 11850/1
F	Ø 22 x 20	/	Ø 25,4 x 22,2	DN25 - DIN 11886/A
G			Ø 28 x 26	DN25 - DIN 11886/C



Type D Ø65mm

	CLIP-ON		WELDED	
	De x Di	Pipe	De x Di	Pipe
A	Ø 30,5 x 28,5	DN25 - DIN 11850/1	Ø 28 x 26	DN25 - DIN 11850/1
B	Ø 31,5 x 29,5	DN25 - DIN 11886/A	Ø 29 x 26	DN25 - DIN 11886/A
C	Ø 36,5 x 34,5	DN32 - DIN 11850/1	Ø 34 x 32	DN32 - DIN 11850/1
D	Ø 28 x 26	DN25 - DIN 11886/C	Ø 35 x 32	DN32 - DIN 11886/A
E	Ø 32 x 30	/	Ø 26,7 x 20,9	ASTM A 213 3/4" 40S
F	Ø 38 x 36	/	Ø 33,4 x 26,6	ASTM A 213 1" 40S
G	Ø 37,5 x 35,5	DN32 - DIN 11886/A	Ø 40 x 38	DN40 - DIN 11850/1
H	Ø 42,5 x 40,5	DN40 - DIN 11850/1	Ø 41 x 38	DN40 - DIN 11886/A
I	Ø 29,2 x 27,2	ASTM A 213 3/4"		
J	Ø 35,9 x 33,9	ASTM A 213 1"		



Type E Ø90mm

	CLIP-ON		WELDED	
	De x Di	Pipe	De x Di	Pipe
A	Ø 36,5 x 34,5	DN32 - DIN 11850/1	Ø 34 x 32	DN32 - DIN 11850/1
B	Ø 37,5 x 35,5	DN32 - DIN 11886/A	Ø 35 x 32	DN32 - DIN 11886/A
C	Ø 42,5 x 40,5	DN40 - DIN 11850/1	Ø 40 x 38	DN40 - DIN 11850/1
D	Ø 43,5 x 41,5	DN40 - DIN 11886/A	Ø 41 x 38	DN40 - DIN 11886/A
E	Ø 32 x 30	/	Ø 52 x 50	DN50 - DIN 11850/1
F	Ø 38 x 36	/	Ø 33,4 x 26,6	ASTM A 213 1" 40S
G	Ø 54,5 x 52,5	DN50 - DIN 11850/1	Ø 42,2 x 35	ASTM A 213 1-1/4" 40S
H	Ø 55,5 x 53,5	DN50 - DIN 11886/A	Ø 48,2 x 40,9	ASTM A 213 1-1/2" 40S
I	Ø 35,9 x 33,9	ASTM A 213 1"	Ø 60,3 x 52,5	ASTM A 213 2" 40S
J	Ø 44,7 x 42,7	ASTM A 213 1-1/4"	Ø 53 x 50	DN50 - DIN 11886/A
K	Ø 50,8 x 48,8	ASTM A 213 1-1/2"	Ø 38,1 x 34,9	DN40 - DIN 11886/C
L	Ø 62,8 x 60,8	ASTM A 213 2"		