

Mid-high flow rate foundry nozzles

DESIGN FEATURES

AASR two-piece cast type

Two-piece Medium and Large Capacity nozzles feature a hollow cone spray pattern with a ring-shape impact area. They are available in two spray angle series: narrow angle 45° to 52°, and standard angle 60° to 86°.

AAS two-piece cast type 6" flange connection

They produce a uniform distribution of medium to large droplets over a wide range of pressures and flow rates. AASR and AAS series nozzles, in two-piece assemblies, are precision machine finished from cast brass, cast iron, or cast 316 stainless steel. Size 1 1/4", 2" and 3" in 316SS have 303 stainless steel caps.

AAS one-piece cast type 2"-6" flange connection

One-piece designs of the model AAS are available in variety of wear-resistant materials for severe operating conditions. Flange sizes of 2", 3", 4" and 6" are available for the single-piece models. All AASR and AAS type nozzles feature large and unobstructed flow passages for virtually colgfree performance.

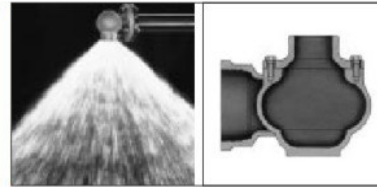
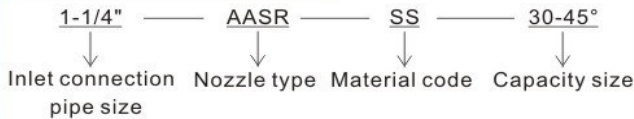


AASR two-piece cast type

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AAS one-piece cast type

ORDERING INFORMATION



Material code:
No material code = Brass
I = Cast Iron
SS = 316 stainless steel

PERFORMANCE DATA

Nozzle inlet Conn. NPT or BSPT	Nozzle-type			Capacity size	Inlet Diam Nom. size (mm)	Rated orifice Dia. (mm)	Capacity (liters per minute)										Spray angle		
	Inner connector AASR	Flange conn. AAS					0.2Bar	0.5Bar	1Bar	1.5Bar	2Bar	3Bar	4Bar	5Bar	6Bar	7Bar	0.5Bar	1.5Bar	4Bar
		1-piece	2-piece																
1-1/4"	●			10-45°	21.4	13.1	24	39	54	67	77	94	109	122	133	144	45°	49°	52°
	●			12-45°		14.3	29	46	65	80	92	113	131	146	160	173	45°	49°	51°
	●			14-45°		16.7	34	54	76	93	108	132	153	171	187	200	45°	48°	51°
	●			16-45°		19.1	39	62	87	107	123	151	174	195	215	230	45°	48°	50°
	●			20-45°		22.2	49	77	109	133	154	189	220	245	270	290	45°	47°	49°
2"	●	●		30-45°	36.5	23.8	73	116	163	200	230	285	325	365	400	430	45°	49°	52°
	●	●		35-45°		27.0	85	135	191	235	270	330	380	425	465	500	45°	49°	51°
	●	●		40-45°		30.2	97	154	220	265	310	375	435	490	530	580	45°	48°	51°
	●	●		45-45°		32.1	110	173	245	300	345	425	490	550	600	650	45°	48°	50°
	●	●		50-45°		34.9	122	193	270	335	385	470	540	610	670	720	45°	47°	49°
3"	●	●	●	55-45°	57.2	36.9	134	210	300	365	425	520	600	670	730	790	45°	47°	49°
	●	●	●	70		34.9	171	270	385	465	540	660	760	850	930	1010	65°	66°	69°
	●	●	●	85		40.1	205	325	465	570	650	800	930	1040	1130	1230	67°	68°	71°
	●	●	●	100		44.5	245	385	540	670	770	940	1090	1220	1330	1440	69°	72°	74°
	●	●	●	120		52.4	290	460	650	800	920	1130	1310	1460	1600	1730	71°	73°	77°
	●	●	●	140		58.7	340	540	760	930	1080	1320	1530	1710	1870	2020	73°	75°	80°
	●	●	●	75-45°		34.9	171	270	380	465	540	660	760	850	930	1010	45°	49°	52°
	●	●	●	85-45°		40.1	205	325	465	570	650	800	930	1040	1130	1230	45°	49°	51°
	●	●	●	100-45°		44.5	245	385	540	670	770	940	1090	1220	1330	1440	45°	48°	51°
	●	●	●	120-45°		51.2	290	460	650	800	920	1130	1310	1460	1600	1730	45°	48°	50°
4"	●	●	●	140-45°	79.4	58.7	340	540	760	930	1080	1320	1530	1710	1870	2020	45°	47°	49°
	●	●	●	150		50.8	365	580	820	1000	1160	1420	1630	1830	2000	2160	66°	67°	70°
	●	●	●	175		59.1	425	670	950	1170	1350	1650	1910	2130	2340	2520	68°	70°	71°
	●	●	●	200		68.3	485	770	1090	1330	1540	1890	2180	2440	2670	2880	70°	72°	74°
	●	●	●	225		74.6	550	870	1230	1500	1730	2120	2450	2740	3000	3240	72°	74°	77°
	●	●	●	250		82.6	610	960	1360	1670	1930	2360	2720	3050	3340	3600	74°	76°	81°
	●	●	●	275		92.1	670	1060	1500	1840	2120	2600	3000	3350	3670	3960	78°	80°	83°
	●	●	●	150-45°		50.8	365	580	820	1000	1160	1420	1630	1830	2000	2160	45°	49°	52°
	●	●	●	175-45°		59.1	425	670	950	1170	1350	1650	1910	2130	2340	2520	45°	49°	51°
	●	●	●	200-45°		68.3	485	770	1090	1330	1540	1890	2180	2440	2670	2880	45°	48°	51°
6"	●	●	●	225-45°	124	74.6	550	870	1230	1500	1730	2120	2450	2740	2000	3240	45°	48°	50°
	●	●	●	250-45°		82.6	610	960	1360	1670	1930	2360	2720	3050	3340	3600	45°	47°	49°
	●	●	●	250		62.3	610	960	1360	1670	1930	2360	2720	3050	3340	3600	65°	67°	69°
	●	●	●	300		69.9	730	1160	1630	2000	2310	2830	3270	3650	4000	4320	66°	68°	70°
	●	●	●	350		76.2	850	1350	1910	2340	2700	3300	3810	4260	4670	5050	68°	70°	72°
	●	●	●	400		82.6	970	1540	2180	2670	3080	3770	4360	4870	5340	5770	70°	73°	75°
	●	●	●	450		88.1	1100	1730	2450	3000	3470	4250	4900	5480	6010	6490	72°	75°	77°
	●	●	●	500		97.2	1220	1930	2720	3340	3850	4720	5440	6090	6670	7210	74°	76°	79°
	●	●	●	550		108	1340	2120	3000	3670	4240	5190	5990	6700	7340	7930	76°	79°	83°
	●	●	●	620		130	1520	2410	3410	4170	4820	5900	6810	7610	8340	9010	78°	81°	86°
●	●	●	440-45°	88.1	1070	1700	2400	2940	3390	4150	4790	5360	5870	6340	60°	61°	62°		
●	●	●	550-45°	108	1340	2120	3000	3670	4240	5190	5990	6700	7340	7930	64°	65°	66°		
●	●	●	625-45°	130	1520	2410	3410	4170	4820	5900	6810	7610	8340	9010	65°	66°	67°		