

Ugelli a cono pieno sezione quadrata

Square-shaped full cone spray nozzles

ESQ - EESQ - FSQ - FFSQ - BQM - FFZSQ - FGSQ

CARATTERISTICHE DI SPRUZZO

Getto a cono pieno sezione quadrata, distribuzione uniforme su tutta la superficie e buona nebulizzazione.

COSTRUZIONE

I tipi ESQ e EESQ sono costruiti in tre pezzi con testina di spruzzo e diffusore interno rimovibili per rendere più semplici eventuali operazioni di pulizia. I tipi FSQ, FFSQ, BQM, FFZSQ e FGSQ sono composti da due pezzi con diffusore interno fisso montato a pressione. Le versioni in metallo del tipo FSQ per grandi portate con attacchi da 1 1/4" e maggiori sono ricavate da fusione ed hanno diffusori interni rimovibili. La punta di spruzzo FGSQ è disponibile con codice da 3,6 a 18 ed è perfettamente intercambiabile con tutte le punte della serie R1. (Vedi pagg. 112÷116) Forniti con filettatura standard Gas conica (BSPT - UNI 339). Filettature diverse: NPT, Gas cilindrica (BSPP - UNI 338), ecc. sono fornite su specifica richiesta.

MATERIALI STANDARD

Il modello FSQ per grandi portate e attacco da 1 1/4" o maggiore è fornito in fusione di acciaio inox AISI 316 e nelle versioni in PVC viene ricavato da barra. Ottone, acciaio inox AISI 303, acciaio inox AISI 316 e PVC per tutti gli altri tipi. Materiali diversi sono forniti a richiesta. (Vedi pag. 3)

APPLICAZIONI TIPICHE

Lavaggio prodotti, raffreddamento, lavaggio aria e gas, scrubbers, controllo e abbattimento polveri, protezione antincendio, ecc.

SPRAY CHARACTERISTICS

These display a full cone square-shaped spray pattern with uniform coverage over the entire surface area as well as a good atomization.

CONSTRUCTION

The ESQ and EESQ models are three-piece units comprising a body, an orifice cap and finally, an internal vane with the last two parts being both removable, necessary to simplify eventual nozzle cleaning. The FSQ, FFSQ, BQM and FFZSQ are assembled with two pieces including a fixed internal vane due to its pressure-mounting. All the large capacity metal-made FSQ series with a thread size of 1 1/4" and over, are two piece cast types with their appropriate removable internal vanes. The FGSQ tip version is supplied with its code-number range from 3,6 to 18 and perfectly interchanges with all the R1 tip series. (See pages 112÷116) All the above listed nozzles are Gas tapered (BSPT - UNI 339) supplied. Different threadings: NPT, Gas parallel (BSPP - UNI 338), etc. are obtainable under specific request.

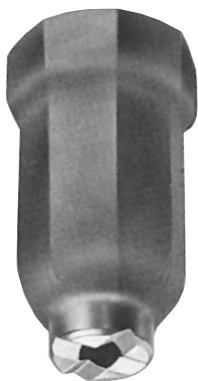
STANDARD MATERIALS

Cast stainless steel AISI 316 and PVC bar-stock types for the large capacity FSQ series with 1 1/4" thread size and over. Brass, stainless steel AISI 303, stainless steel AISI 316 and PVC for all the other models. Different product materials are supplied upon specific request. (See page 3 for list)

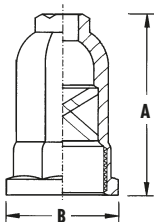
TYPICAL APPLICATIONS

Product washing, cooling, air and gas washing, scrubbers, dust control, fire protection, etc.

Tipi - Types



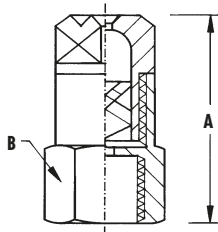
FSQ Da fusione
Cast type



Costruzione speciale
Specially made nozzle



ESQ



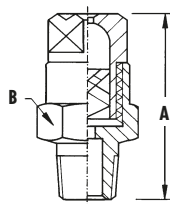
Installazione tipica
Typical installation



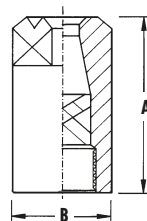
Ugello montato con fascetta
Nozzle mounted with split-eyelet



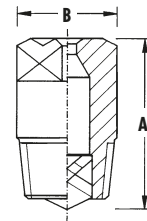
EESQ



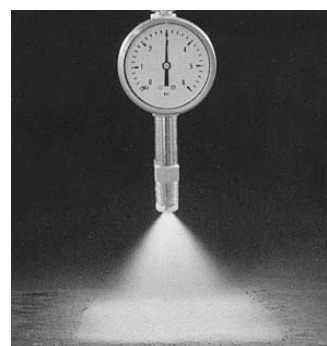
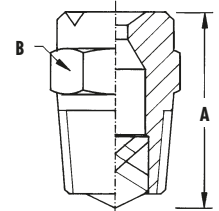
FSQ



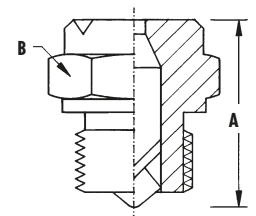
FFSQ



BQM

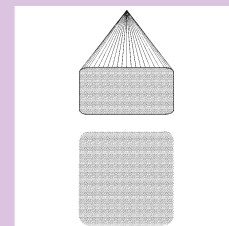


FFZSQ



Ugelli a cono pieno sezione quadrata

Square-shaped full cone spray nozzles

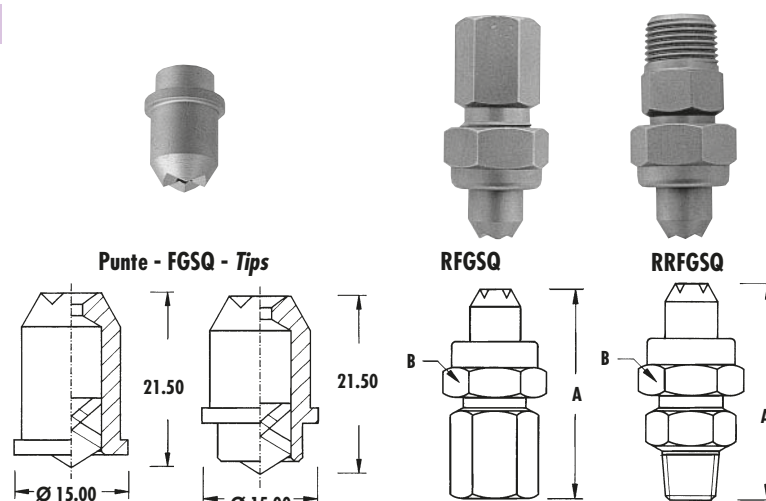
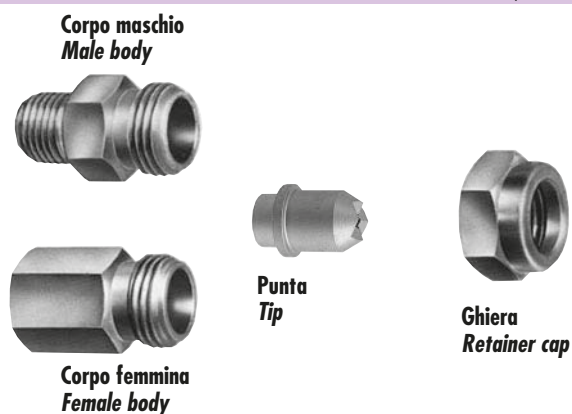


ESQ - EESQ - FSQ - FFSQ - BQM - FFZSQ - FGSQ

Tabella delle portate - Capacity chart

Ugello - Nozzle				Orifizio Orifice Ø Nom. mm	Pass. libero Max free pas. Ø Nom. mm	Pressione - Pressure (Bar)											Angolo di spruzzo Spray angle			
Attacco Pipe conn.	Femmina Female	Maschio Male	Codice Code			0,3	0,5	0,7	1	1,5	2	3	4	5	6	7	10	0,5Bar	1,5Bar	5Bar
1/8"	E	EE-FF-BQM-FFZ	3,6 SQ	1,59	1,27	0,93	1,18	1,37	1,62	1,94	2,22	2,67	3,04	3,37	3,66	3,93	4,63	40°	52°	47°
			4,8 SQ	1,98	1,27	1,24	1,57	1,83	2,15	2,59	2,96	3,56	4,06	4,49	4,88	5,24	6,17	48°	63°	57°
			6 SQ	2,38	1,27	1,55	1,96	2,29	2,69	3,24	3,70	4,45	5,07	5,62	6,10	6,55	7,71	60°	66°	60°
1/4"	E	EE-FF-BQM-FFZ	10 SQ	2,78	1,59	2,59	3,27	3,81	4,49	5,40	6,16	7,41	8,45	9,36	10,17	10,92	12,85	62°	67°	61°
			12 SQ	3,18	1,59	3,11	3,92	4,57	5,38	6,48	7,39	8,89	10,14	11,23	12,21	13,10	15,42	70°	75°	68°
			14,5 SQ	3,91	1,59	3,75	4,74	5,53	6,51	7,83	8,93	10,75	12,26	13,57	14,75	15,83	18,63	78°	82°	75°
3/8"	E	EE-FF-BQM-FFZ	18 SQ	3,97	2,38	4,66	5,88	6,86	8,08	9,72	11,09	13,34	15,22	16,85	18,31	19,65	23,13	71°	75°	68°
1/2"	E	EE-FF-BQM-FFZ	29 SQ	5,56	3,18	7,50	9,48	11,05	13,01	15,66	17,86	21,50	24,52	27,15	29,51	31,66	37,26	71°	75°	68°
			36 SQ	6,35	3,18	9,32	11,77	13,72	16,15	19,44	22,17	26,68	30,43	33,70	36,63	39,30	46,26	78°	82°	75°
3/4"	F	FF-BQM-FFZ	50 SQ	6,75	4,37	12,94	16,34	19,06	22,43	27,00	30,79	37,06	42,27	46,81	50,87	54,59	64,25	71°	75°	68°
1"	F	FF-BQM-FFZ	106 SQ	9,92	5,56	27,43	34,64	40,40	47,56	57,24	65,28	78,57	89,61	99,23	107,85	115,72	136,21	78°	80°	73°
1 1/4"	F	FF-FFZ	177 SQ	12,70	6,35	45,81	57,85	67,47	79,41	95,58	109,01	131,20	149,63	165,69	180,09	193,24	227,44	78°	80°	73°
1 1/2"	F	FF-FFZ	230 SQ	14,29	8,73	59,52	75,17	87,67	103,19	124,20	141,65	170,48	194,43	215,31	234,02	251,10	295,55	73°	77°	70°
2"	F	FF-FFZ	290 SQ	15,48	11,11	75,05	94,78	110,54	130,11	156,59	178,60	214,95	245,16	271,48	295,06	316,60	372,65	66°	70°	64°
			360 SQ	17,46	11,11	93,16	117,66	137,22	161,51	194,39	221,71	266,84	304,33	337,00	366,29	393,02	462,60	70°	74°	67°
			480 SQ	21,03	11,11	124,22	156,88	182,96	215,35	259,19	295,61	355,79	405,78	449,34	488,38	524,03	616,80	79°	82°	74°
2 1/2"	F	FF-FFZ	490 SQ	19,84	14,29	126,81	160,15	186,77	219,84	264,59	301,77	363,20	414,23	458,70	498,56	534,94	629,65	62°	67°	61°
			590 SQ	22,23	14,29	152,69	192,83	224,89	264,70	318,59	363,35	437,32	498,77	552,31	600,30	644,12	758,15	75°	78°	71°
			950 SQ	28,58	17,46	245,85	310,50	362,11	426,21	512,98	585,06	704,16	803,10	889,32	966,59	1.037,14	1.220,75	81°	84°	76°

Componenti serie - FGSQ - Series components



Per ordinare - To order

Ugelli completi, specificare: - Complete nozzles, please specify:

1/2"	FF	36 SQ	SS	=	1/2FF36SQSS
Attacco Pipe connection	Tipo Type	Codice Code	Materiale* Material*		Esempio Example

Solo punte di spruzzo, specificare: - For only tips, please specify:

FG	12 SQ	BR	=	FG12SQBR
Tipo Type	Codice Code	Materiale* Material*		Esempio Example

* Vedi Pag. 3 - See page 3 for list

Dimensioni max ingombro - Max dimensions

Attacco Pipe connection	Tipo ugello - Nozzle type															
	ESQ		FSQ		RFGSQ		EESQ		FFSQ		BQM		FFZSQ		RRFGSQ	
	A mm	B mm	A mm	B mm	A mm	B mm	A mm	B mm	A mm	B mm	A mm	B mm	A mm	B mm	A mm	B mm
1/8"	28	14 hex			49	21 hex	30	14 hex	23	13 dia	18	11 hex	15	14 hex	49	21 hex
1/4"	37	17 hex			49	21 hex	37	17 hex	23	14 dia	25	14 hex	18	17 hex	49	21 hex
3/8"	39	22 hex			49	21 hex	39	22 hex	24	17 dia	26	18 hex	20	19 hex	49	21 hex
1/2"	48	25 hex			49	25 hex	49	25 hex	29	21 dia	32	21 hex	27	27 hex	49	22 hex
3/4"			55	33 dia					39	27 dia	36	27 hex	28	32 hex		
1"			68	38 dia					51	33 dia	50	38 hex	28	41 hex		
1 1/4"			88	53 dia					75	42 dia			30	50 hex		
1 1/2"			103	59 dia					85	48 dia			35	60 hex		
2"			135	78 dia					106	60 dia			44	70 dia		
2 1/2"			175	87 dia					128	75 dia			52	85 dia		