

## MIST ELIMINATORS

### DEMISTER PADS - MISTER SCREENS

#### QWP CS TYPE

(Custom Made)

On many cases Teflon, Polypropylene and Polyester mono&multifilament demisters are made upon special request from the customers. Mesh Pad Density, Surface area and free volume will be provided upon request. These type of meshes are called QWP/CS Type (CS stands for Custom made)



#### QWP Mist Eliminator Specifications – Stainless Steel All Grades

QWP Type	Density Kg/m <sup>3</sup>	Wire Surface Area m <sup>2</sup> /m <sup>3</sup>	Wire dia. mm	Free Volume%
Type : 1	75	135 to 150	0.25 to 0.28	99
Type : 2	80	142 to 160	0.25 to 0.28	99
Type : 2A	80	250 to 268	0.15 to 0.16	99
Type : 3	110	196 to 220	0.25 to 0.28	98.6
Type : 3A	110	343 to 366	0.15 to 0.16	98.6
Type : 4	128	228 to 256	0.25 to 0.28	98.4
Type : 4A	128	400 to 426	0.15 to 0.16	98.4
Type : 4B	136	228 to 256	0.25 to 0.28	98.4
Type : 4C	120	214 to 240	0.25 to 0.28	98.5
Type : 5	144	257 to 288	0.25 to 0.28	98.2
Type : 5A	150	267 to 300	0.25 to 0.28	98.125
Type : 5B	150	468 to 500	0.15 to 0.16	98.125
Type : 5B	160	285 to 3200	0.25 to 0.28	98.0
Type : 6	173	308 to 360	0.24 to 0.28	97.8
Type : 6A	175	312 to 350	0.24 to 0.28	97.8
Type : 7	193	344 to 386	0.25 to 0.28	97.58
Type : 7A	193	603 to 643	0.15 to 0.16	97.58
Type : 7B	195	348 to 390	0.25 to 0.28	97.56
Type : 7C	195	609 to 650	0.15 to 0.16	97.56
Type : 7D	191	341 to 382	0.25 to 0.28	97.62
Type : 8	214	382 to 428	0.25 to 0.30	97.325
Type : 8A	232	414 to 464	0.25 to 0.28	97.10
Type : 8B	232	414 to 464	0.25 to 0.28	97.10
Type : 9	320	888 to 950	0.17 to 0.18	96
Type : 10	350	1166 to 1300	0.135 to 0.15	95.625
Type : 11	220	910 to 920	0.12 to 0.125	97.25

#### QWP Mist Eliminator Specifications – Monel Grades

QWP Type	Density Kg/m <sup>3</sup>	Wire Surface Area m <sup>2</sup> /m <sup>3</sup>	Wire dia. mm	Free Volume %
Type : 1M	80	129 to 145	0.25 to 0.28	99.10
Type : 2M	110	178 to 200	0.25 to 0.28	98.75
Type : 3M	128	207 to 232	0.25 to 0.28	98.54
Type : 4M	144	233 to 261	0.25 to 0.28	98.36
Type : 5M	173	280 to 314	0.24 to 0.28	98.03
Type : 6M	193	313 to 350	0.25 to 0.28	97.80
Type : 7M	214	355 to 389	0.25 to 0.28	97.56

#### Standard Grid Specifications

Grid Specifications	Width mm	Thickness mm	Material
Flat Bar Specifications	15 to 50 MM	2.0MM to 6MM	Same as Mist Eliminator Type
Rod Specification	Round	4.0MM to 10MM	Same as Mist Eliminator Type

#### Standard Material of Construction for Mist Eliminators:

Mist Eliminators are manufactured in all grades of Stainless Steel and other special alloy like Monel, Inconel, Alloy 20, Hastelloy & Titanium.

#### Typical Mist Eliminator Fastener Details:

Tie Wire, J Bolts, I Bolts, Cleats and 'L' Angles.

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### VANE TYPE

#### QWP Vane type Mist Eliminator Specifications

QWP type	App. Density Kg/cm	Surface area S <sub>1</sub> /M <sup>2</sup> /cm	Voidage %	Ht (mm)	Pass No.	Hooks 10mm	Spacing mm	Sheet Thk. (mm)	F (m.k.s.) 2500 k/h/ sm	Dp (mmw) For F	Approx max achievable eff.(%) For 10m
V-1	136	67	98.3	210	3	No	38	0.5	3.4	14	54
V-2	184	91	97.7	210	3	Yes	38	0.5	3.4	27	72
V-3	208	103	97.4	250	4	No	25	0.5	3.4	15	69
V-3-1	204	101	97.5	190	3	No	25	0.5	3.4	13	63
V-3-2	350	350	69	250	4	No	25	1.0			
V-4	280	139	96.5	250	4	Yes	25	0.5	3.4	33	93
V-4-1	272	135	96.6	190	3	Yes	25	0.5	3.4	29	84
V-5	528	261	93.4	230	7	No	10	0.5	3.4	32	99
V-6	104	51	98.7	250	4	No	50	0.5	3.55	15	55
V-7	140	69	98.3	250	4	Yes	50	0.5	3.75	28	73
V-6-1	104	51	98.7	210	3	No	50	0.5	3.7	13	50
V-7-1	140	69	98.3	210	3	Yes	50	0.5	3.8	24	66
V-10	384	190	95.2	200	3	No	12.5	0.5	4.7	35	97.5
V-10-1	384	190	95.2	200	3	Yes	12.5	0.5	6.1	27	97.5



#### RAW MATERIAL FOR VANE TYPE MIST ELIMINATORS

Stainless steel all grades	Carbon steel grade	Monel 400	Inconel all grades	Poly propylene
Teflon	Non metallic type	Alloy 625	Titanium	Hastelloy
RAW MATERIAL FOR VANE TYPE MIST ELIMINATORS				
Threaded bar from 10mm to 25mm	J bolts and I bolts	Optional perforated plates on top	m10 nuts to m25 nuts	10 mm spacers to 50mm spacers

