



Mesh screen

Mesh screen gaskets are available to suit 1/2" to 6" clamp fittings in accordance with BS 4825/ASME BPE dimensions. Three standard stainless steel mesh sizes are offered, with alternative mesh sizes also available. All gasket elastomers are FDA CFR 21 compliant and meet USP Class VI criteria.

Perforated plate gaskets

As an alternative to mesh screen, gaskets with perforated plates are also available in sizes up to 4". A slit gasket allows easy removal of the perforated plate for routine gasket replacement. All gasket elastomers are FDA CFR 21 compliant and meet USP Class VI criteria.



Connections

To suit 1/2" - 6" ASME BPE clamp fittings



Materials

Seal - EPDM, Viton, Silicone or PTFE
Mesh screen - 316 stainless steel
Perforated plate - 316 stainless steel



Mesh Sizes

Standard - 10, 60 and 100 mesh
Optional - 20, 40, 80, 200 and 325 mesh



Perforation Sizes

0.85 and 3mm



Design Parameters

	Tmin°C	Tmax°C	CIP	SIP	Steam
EPDM	-48	135	✓	✓	✓
Viton	-19	232	✓	✓	✓
Silicone	-62	232	✓	✓	✗
PTFE	-79	232	✓	✓	✓



Options

PTFE mesh screen gaskets up to 12"
Stainless steel infused PTFE gasket material



Available Certification

CofC	Certificate of Conformity
MTR's	Material Certification*
FDA	FDA Elastomer compliance certificates
USP	USP Elastomer compliance certificates
ADI	Certified 'Animal Derived Ingredient' free

*Available for perforated plate material only

Mesh chart

	Mesh size (openings/in ²)	Micron retention	Wire Ø (mm)	Aperture (mm)	Open area (%)
	10	1905	0.56	2.0	60
	20	864	0.32	0.90	57
	30	516	0.25	0.50	51
	40	381	0.22	0.40	41
	60	233	0.16	0.24	38
	80	180	0.125	0.14	38
	100	140	0.10	0.14	38
	150	103	0.063	0.10	38
	200	74	0.05	0.08	38



Packaging

Individually bagged