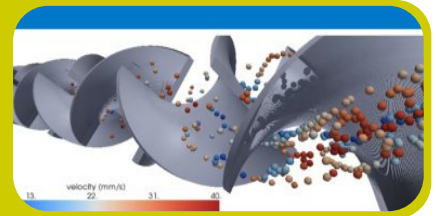


Static Line/Pipe Mixers Range

Marketed By EST MECH PTE LTD, Singapore
 Email: enquiry@estmech.com



Static mixer is a non-moving mixing equipments. It is widely use in Oil Refinery, Chemical Industry, as well as Industry of Medicine, Food, Mining and metallurgy, Plastic extrusion, Environment protection and etc. As compared with the traditional mixing equipment such as Blender, Colloid mill, Homogenizer, Venturi tube, the advantages in static mixer are that it has a simpler operating principles, with compact structure or elements, less energy consumption, with flexibly used in various applications and almost maintenance free. Whenever involving mixing of liquid-liquid, Liquid-Gas, Liquid-Solid, Gas-Gas, and processes of Emulsification, Neutralization, Homogenization, Extraction, reaction & enhanced heat transfer, static mixing always can be used.

1) SK Static Mixer (Helical type Element)

Features: SK Element is produced with twisted plates, welded to create patterns effective for mixing

It has a degree of dispersion $\leq 10 \mu m$, and liquid-liquid, liquid-solid unevenness factor of $\sigma X \leq 5\%$.



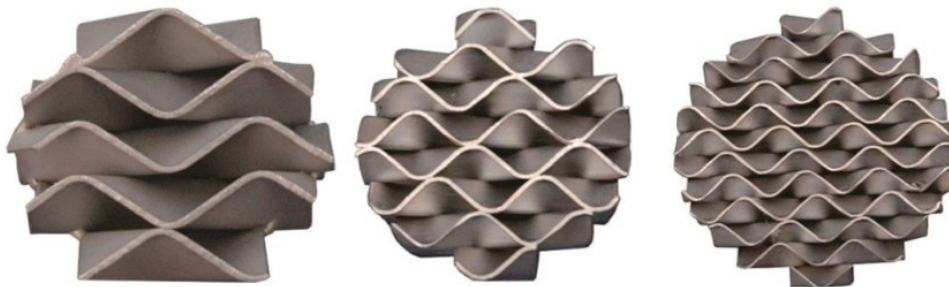
Model	DN(mm)	dh(mm)	Q(m3/h)
SK-5/10	10	5	0.15-0.3
SK-7.5/15	15	7.5	0.3-0.6
SK-10/20	20	10	0.6-1.2
SK-12.5/25	25	12.5	0.9-1.8
SK-16/32	32	16	1.4-3.2
SK-20/40	40	20	2.2-4.5
SK-25/50	50	25	3.5-7.0
SK-32.5-65	65	32.5	5.9-12
SK-40/80	60	40	9-18

Model	DN(mm)	dh(mm)	Q(m3/h)
SK-50/100	100	50	14-28
SK-62.5/125	125	62.5	22-44
SK-75/150	150	75	31-64
SK-100/200	200	100	56-110
SK-125/250	250	125	88-177
SK-150/300	300	150	127-255
SK-175/350	350	175	173-346
SK-200/400	400	200	226-452
SK-250/500	500	250	353-706

2) SV Static Mixer

Features: SV Elements is made up of uniformly waves like plates formed together.

It has a degree of dispersion $1-2 \mu m$, and liquid-liquid, Gas-Gas unevenness factor of $\sigma X \leq 5\%$.

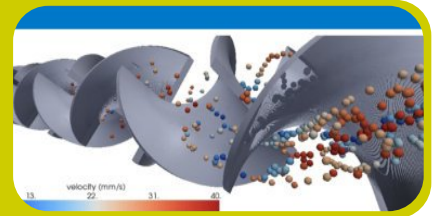


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Static Line/Pipe Mixers Range

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Product ranges

Model	DN(mm)	dh(mm)	Q(m3/h)
SV-2.3/20	20	2.3	0.5-1.2
SV-2.3/25	25	2.3	0.9-1.8
SV-3.5/32	32	3.5	1.4-2.9
SV-3.5/40	40	3.5	2.2-4.5
SV-3.5/50	50	3.5	3.5-7
SV-3.5/65	65	3.5	5-12
SV-5/80	80	5	9-18
SV-5/100	100	5	14-28
SV-5~7/125	125	5-7	24-34
SV-5~7/150	150	5-7	30-60

Model	DN(mm)	dh(mm)	Q(m3/h)
SV-5~20/200	200	5-20	56-110
SV-5~20/250	250	5-20	88-176
SV-5~30/300	300	5-30	125-250
SV-7~30/350	350	7-30	173-346
SV-7~30/400	400	7-30	226-452
SV-7~30/450	450	7-30	286-572
SV-7~30/500	500	7-30	353-706
SV-7~30/600	600	7-30	505-1010
SV-7~30/1000	1000	7-30	1413-2826
SV-15~30/1200	1200	15-30	1630-3260

3) SX Static Mixer (X-Type Elements)

Features: SX Elements are cross patterns formed by many pieces of rectangular plates. It has liquid-liquid, liquid-solid unevenness factor of $\sigma X \leq 5\%$.



Product ranges

Model	DN(mm)	dh(mm)	Q(m3/h)
SX-12.5/50	50	12.5	3.5-7.0
SX-16.25/65	65	16.25	6-12
SX-20/80	80	20	9-18
SX-25/100	100	25	14-28
SX-31.25/125	125	31.25	22-44
SX-37.5/150	150	37.5	30-60

Model	DN(mm)	dh(mm)	Q(m3/h)
SX-50/200	200	50	56-110
SX-62.5/250	250	62.5	88-176
SX-75/300	300	75	125-250
SX-87.5/350	350	87.5	173-346
SX-100/400	400	100	226-452
SX-125/500	500	125	353-706

Note:

Gas-Liquid refers to Gas phase is working flow, while Liquid phase is passive flow.

Liquid-Gas refers to Liquid phase is working flow, while Gas phase is passive flow.

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