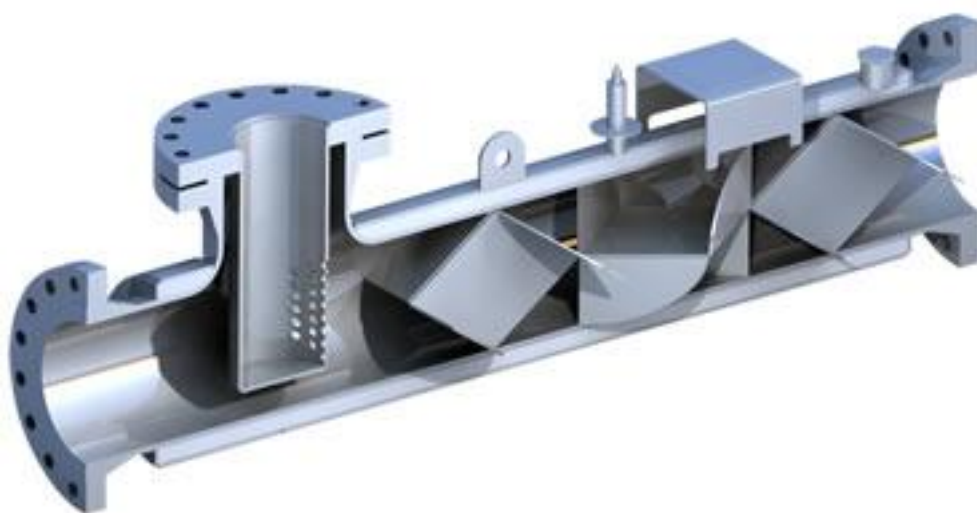




Specification for KHN static pipe mixer



1. Brief introduction

All kinds of water treatment chemicals used for water supply and drainage are efficiently mixed in the pipeline.

2. Characteristics

- (1) No need to add any power
- (2) Efficient mixing of more than 95%;
- (3) Easy to use, just for use.
- (4) Low cost and no need for manual guarding.
- (5) Head loss is small.

3. Material

- (1) A: carbon steel, internal anticorrosive epoxy asphalt, also can be lined with glue, lining plastic, tetrafluoroethylene and so on.
- (2) S: stainless steel 304,316,316L
- (3) F: FRP
- (4) P: U-PVC polyvinyl chloride

Polyethylene chloride has the advantages of flame retardant (flame retardant value is more than 40), high chemical resistance (resistance to concentrated hydrochloric acid, 90% sulfuric acid, 60% nitric acid and 20% sodium hydroxide), good mechanical strength and electrical insulation. However, its heat resistance is poor, the softening point is 80 degrees, and it decomposes and discoloration at 130 C, and precipitates HCl gas. Generally used for mixing hydrochloric acid or sodium hypochlorite.



4. Technical parameters

Item	DN (mm)	L (mm)	Dosing DN(mm)	Velocity V(m/s)	Flow Q(m ³ /s)	Pressure Loss Δh (m)
PM-50	50	300	15			
PM-100	100	410	15			
PM-150	150	800	20			
PM-200	200	1100	25	<1	0.03	0.076
PM-250	250	1400	25	<1	0.05	0.079
PM-300	300	1650	25	<1	0.073	0.076
PM-350	350	1800	25	<1	0.01	0.4
PM-400	400	2200	25	<1	0.13	0.67
PM-450	450	2400	25	<1	0.165	0.65
PM-500	500	2600	32	<1.5	0.305	0.91

PM-600	600	3400	32	<1.37	0.4	0.076
PM-700	700	3600	40	<1.56	0.6	0.98
PM-800	800	4200	40	<1.59	0.8	1.01
PM-900	900	4500	40	<1.57	1.0	0.99
PM-1000	1000	5000	65	<1.53	1.2	0.94
PM-1200	1200	6000	85	<1.6	1.7	1.03
PM-1400	1400	7300	85	<1.6	2.0	1.05

Note: special specifications can be designed separately according to users' requirements.

5. Scope of use

- (1) Coagulation: adding coagulants and coagulant aids to municipal domestic water, sewage, industrial water and wastewater;
- (2) Disinfection: add liquid chlorine, ozone and other disinfectants;
- (3) Neutralization: neutralizing acid and alkali by adding acid agent and alkali agent;
- (4) Mixing: several industrial waste water intermingled.



PVC pipe static mixer



pipe static mixer with lining plastic



Carbon steel static mixer



Flow direction pipe mixer



Stainless steel pipe static mixer



Custom pipe mixer