

KT-1, 1A, 1D Type Strainer

Cast iron • Ductile cast iron, flanged

A new-concept (Straight Type) strainer that is completely different from the conventional products.

Allow easy maintenance, installation, and reduced pressure loss.

KT-1A Type can be easily cleaned with just one bolt and is ideal for installation at places where frequent cleaning is necessary.

KT-1D Type is a davit type strainer, whose cap can be removed easily.



KT-1 Type



KT-1A Type



KT-1D Type

SPECIFICATIONS

Type	Multipurpose type				One touch type		Davit type	
Model name	KT-1				KT-1A		KT-1D	
Code name	KT1-G		KT1-M		KT1A-G		KT1D-G	
Size	50~300(2″~12″)				50~150(2″~6″)		250・300(10″・12″)	
Applicable fluid	Steam, gases & liquids				Gases & liquids		Steam, gases & liquids	
Fluid temperature	Max. 184℃*2				5~90℃		Max. 184℃*2	
Applicable pressure	Max. 1.0MPa				Refer to the table of applicable pressure below.		Max. 1.0MPa	
End connection		Flanged JIS 10KFF						
Materials	Body, Cover	Cast iron		Ductile cast iron		Cast iron*3		
	Net	Stainless steel						
Mesh*1.		60 Mesh	20,40,80 or 100 Mesh	60 Mesh	20,40,80 or 100 Mesh	60 Mesh	20,40,80 or 100 Mesh	20, 40, 60, 80 or 100 Mesh
Allowed pressure differential		Max.0.1MPa*4						
Pressure test		Hydraulic 1.75MPa				Refer to the table of pressure tightness below.		Hydraulic 1.75MPa

*1. Punched plate without lining is available upon your request. (Size 50~150mm: Φ3×P4, size 200~300mm: Φ4×P6)

*2. For products with other diameter, please contact our agent in your area.

*3. Fluid temperature Max. 220°C is available upon your request.

*4. Products with main body made of Ductile cast iron is available upon your request.

*5. The net may be damaged if pressure differential exceeds 0.1 MPa. Clean the net to make sure pressure differential is less than 0.1 MPa.

*6. For size 350~500mm of KT-2, 2D Type are available upon your request.

*7. Applicable pressure Max. 2.0MPa for KT-4W, 4H Type with size 50~300mm is available upon your request.

*8. Products with other options (clogging detector, magnetic absorber, and internal check window) are also available.

DIMENSIONS

(mm)

Size	L	G	d	KT-1 Type			KT-1A Type			KT-1D Type		
				H	A	Mass(kg)	H	A	Mass(kg)	H	A	Mass(kg)
50(2")	200	—	3/8"	76	132	10(9)	153	200	11	—	—	—
65(2½")	240	—	3/8"	92	158	15(14)	170	230	17.5	—	—	—
80(3")	265(261)	—	3/8"	105	200	19(19)	205	280	23.5	—	—	—
100(4")	290(282)	130	1/2"	128	200	29(29.5)	228	300	35	—	—	—
125(5")	340(336)	140	1/2"	180	252	43(45)	266	370	53	—	—	—
150(6")	380(376)	165	1/2"	204	282	64(66)	280	380	74	—	—	—
200(8")	450(442)	200	1/2"	273	368	106(116)	—	—	—	—	—	—
250(10")	560(552)	240	1/2"	390	545	210	—	—	—	530	545	220
300(12")	680(668)	280	1/2"	425	595	300	—	—	—	580	595	310

*Figures in () are for body material Ductile cast iron.

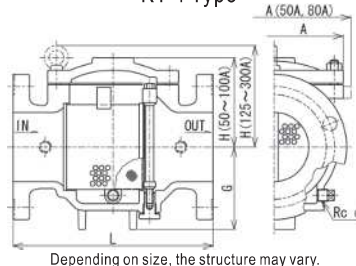
Flange code JIS 10KFF

APPLICABLE PRESSURE AND PRESSURE TOLERANCE FOR KT-1A Type

Size	Applicable pressure	Pressure tolerance(Hydraulic)
50~100mm	Max. 1.0MPa	1.5MPa
125mm	Max. 0.75MPa	1.13MPa
150mm	Max. 0.5MPa	0.75MPa

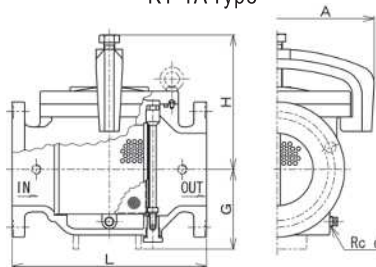
CONSTRUCTION

KT-1 Type



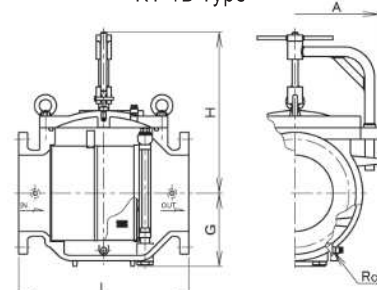
Depending on size, the structure may vary.

KT-1A Type



Depending on size, the structure may vary.

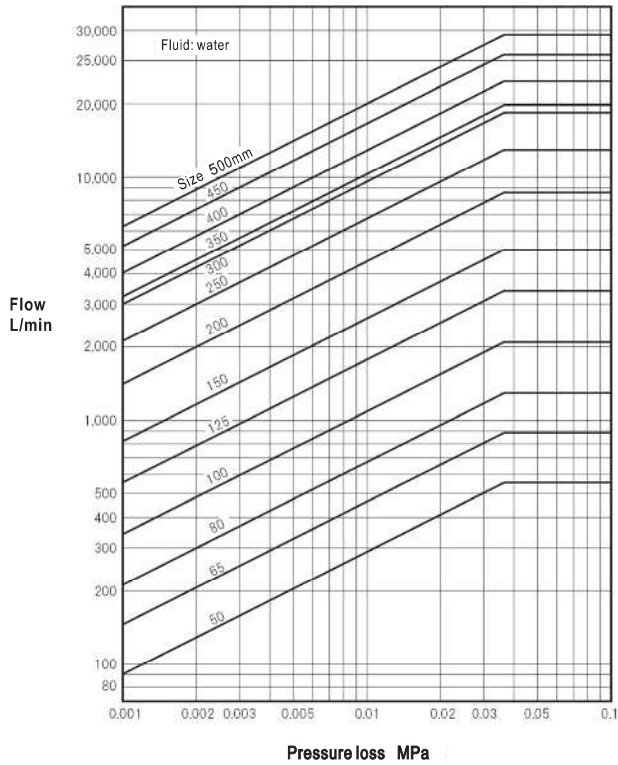
KT-1D Type


* Refer to Page 193 for mesh data.
Note: Size Page 206 for pressure loss.

DATA/KT Type Series Strainer

■ PRESSURE LOSS CHART (60-mesh)

Applicable models: KT-1,1A,1D,1PN,1CN
 KT-2,2D
 KT-3,3A
 KT-4W,4H



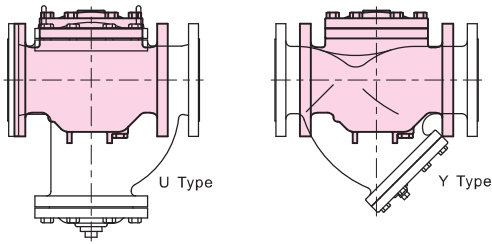
Note: The pressure loss for each mesh number can be calculated by multiplying pressure loss determined using the above chart and a multiplier listed.

■ MULTIPLIER LIST

Mesh	Multiplier
20	0.9
40	0.95
80	1.05
100	1.1

* Refer to Page 193 for mesh data.

■ SIZE COMPARISON WITH CONVENTIONAL STRAINER



■ COMPARISON OF MAINTENANCE SPACE

