

TFA-2000



■Features

1. Float trap equipped with pump assist function.
2. Most appropriate for discharge of low pressure condensate at air-conditioning unit or heating unit.

- Intended purpose is as follows:
 - Air-conditioning at clean room
 - Drying machine for gravure printing
 - Drying machine for film processing

■Specifications

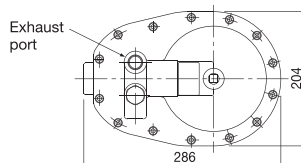
Nominal size		25A
Application		Steam condensate, Non-hazardous fluid
Motive fluid		Steam / Air
Max. working pressure		0.5 MPa
Motive pressure		0.03 to 0.5 MPa
Motive differential pressure		(Back pressure + 0.03 MPa) to 0.5 MPa
Max. working temperature		160°C
Material	Body	Ductile cast iron (FCD450)
	Trim parts	Stainless steel
	Float (P)	Stainless steel
Connection		JIS Rc screwed
Check valve at inlet side		Built-in (swing type)
Check valve at outlet side		Externally attached *

* Install an optional check valve (SCV-2 or SCV-3) 25A on outlet side of the product.

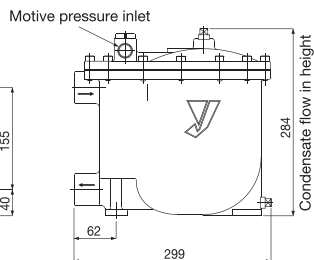
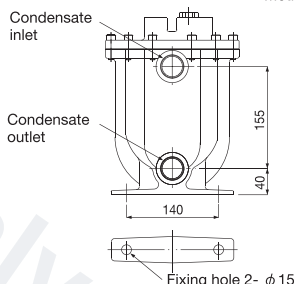
■ Dimensions (mm) and Weights (kg)

<<Connection diameter>>

Condensate inlet	Condensate outlet	Motive pressure inlet	Exhaust port
Rc 1	Rc 1	Rc 1/2	Rc 1/2



Weight: 17 kg

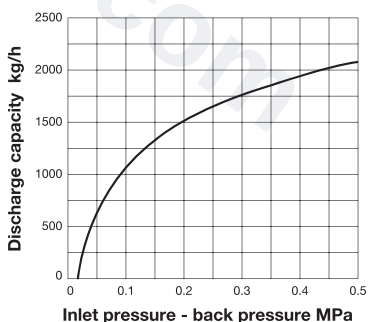
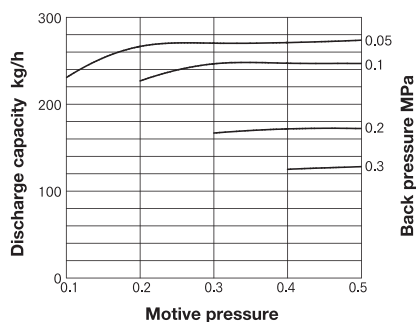


Please refer to P. 8-8.

■ Assist Capacity (Pump Capacity)

The assist capacity depends on the inflow height of condensate. Multiply the inflow height by the appropriate corrected coefficient shown in the table below.

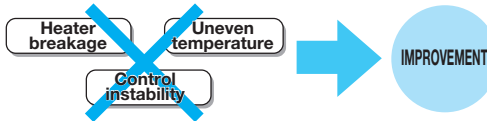
■ Steam Trap Capacity



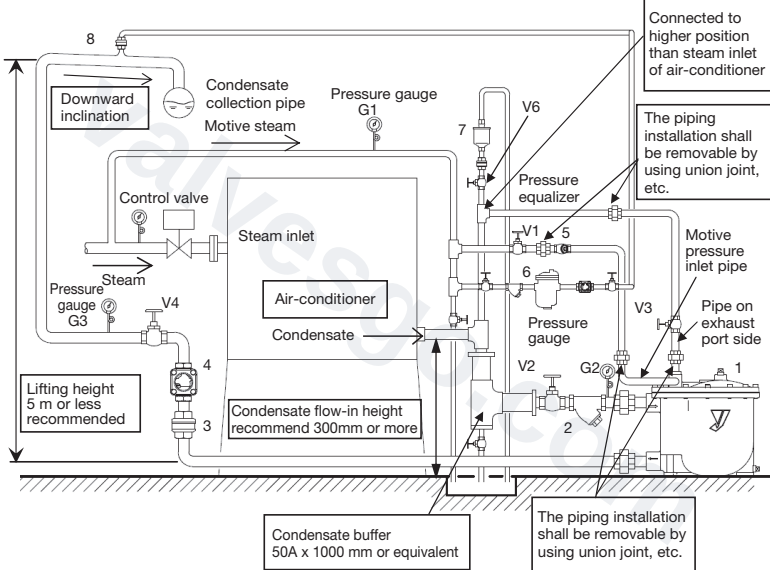
■ Corrected Coefficient for Assist

Inflow height (mm)	Corrected coefficient
250	0.65
300	1.0
400	1.1
500	1.75

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Example of measures to condensate accumulation in air-conditioner (countermeasures to stall)



* There is a possibility that the inside of the heat exchanger becomes vacuum pressure by the usage condition.

1		Assist trap TFA-2000	—	5		Strainer SY-5 15A (80mesh)	4
2		Strainer SY-5 25A (80mesh)	4	6		Steam trap TB-20 15A	5
3		Check valve SCV-2 25A	19	7		Air vent valve TS-5V 15A	5
4		Sight glass SLM-1S 25A	7	8		Check valve SCV-2 15A	19