



Venturi Nozzel Steam Traps

Guarantee Energy saving with
Reduced Carbon Emissions

EXCLUSIVE DISTRIBUTORS(INDIA)

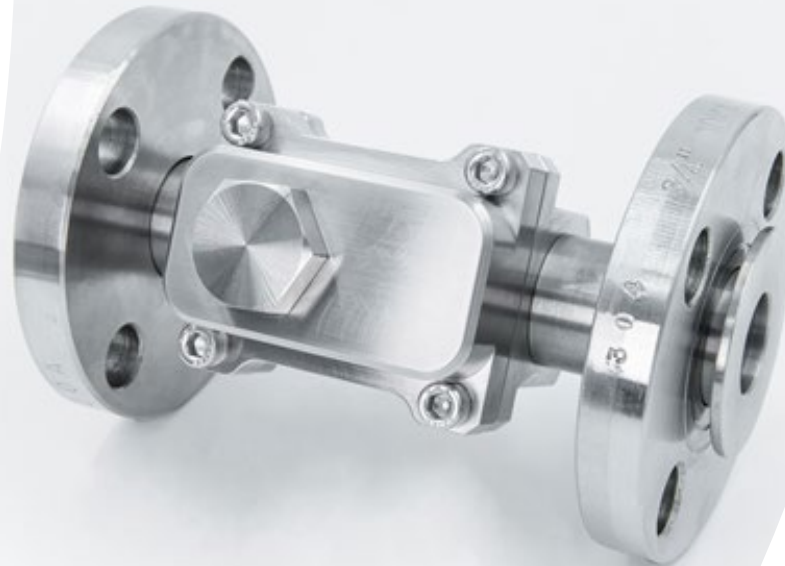
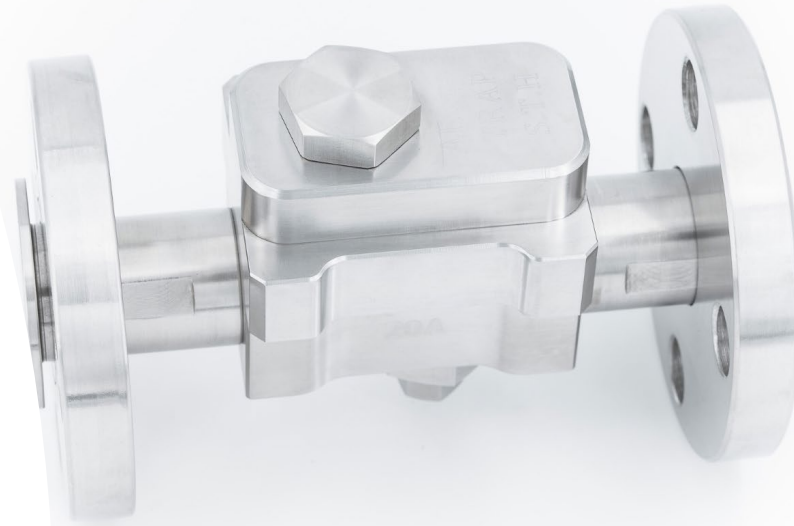
STEAM SOLUTIONS LLP

51 B EMBASSY APTS, 46 NAPEAN SEA RD, MUMBAI
400036 INDIA

M: + 91 76664 24525, + 91 98200 64535,



Aristi Traps



Manufactures Company Profile

- Founded in 2007 as STEAM TECH JAPAN CO LTD.
- Renamed to S T HOLDINGS CO Ltd. In 2016
- Headquartered in Osaka, Japan and led by Nathan Y. Fukunaga(President)
- Company Capital : 2,40,000 USD
- DISTRIBUTORS :
- Market Presence: Over 20 countries
- Steam Solutions LLP: Exclusive Distributors for India

Working Principle



- Overall trap capacity is the combined function off the diameter of the condensate removal channel and back pressure generated inside Venturi insert using flash steam.

- Reverse cone-shaped replaceable insert where self- regulation process occurs based on laws of physics (pressure change and a change in density leads to energy conservation)

- Higher-pressure condensate enters the Venturi section , a small portion turns into flash steam which creates a barrier to the live steam and prevents it from escaping.

- Flash steam is generated by a combination of pressure drop across the channel and the difference in density of steam compared to the condensate.

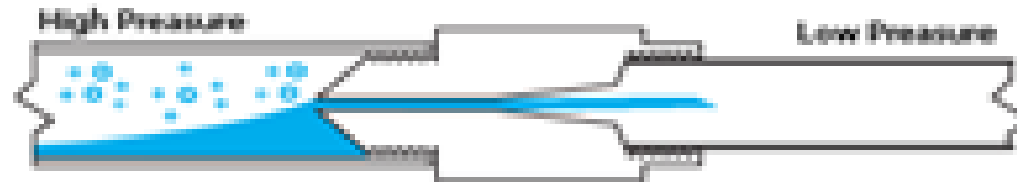
- By applying natural laws of physics, change in pressure will change the amount of flash steam generated, therefore the capacity of the Venturi Steam Trap can adjust with the changes in process conditions.

Working Stages

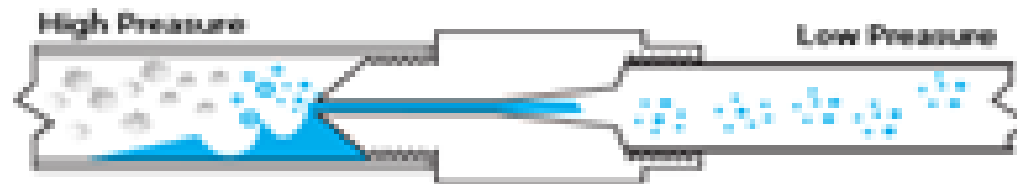
Start up stage



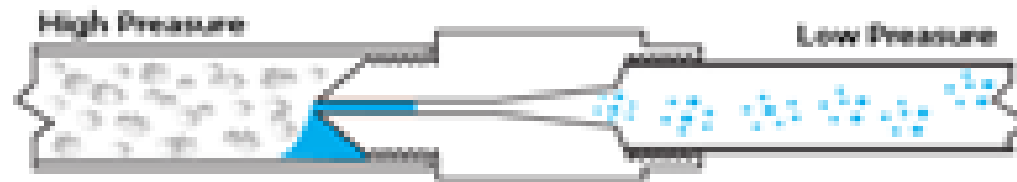
Warm up stage



Running stage



Running load stage



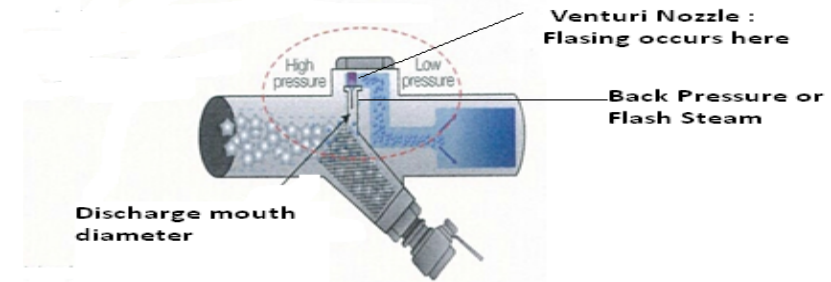
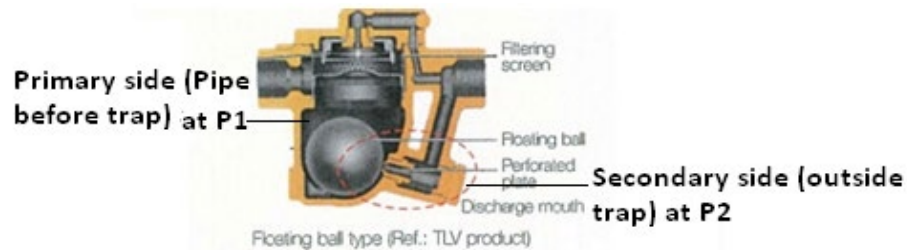
Core Difference Between ARISTI Trap & Existing Mechanical Traps

Primary Side (Hot condensate at steam pressure P1)

Mechanical Traps: Open at intervals upon designed safety factor.

Flashing occurs upon trap opening and flash steam is lost to environment.

Secondary Side (Saturated condensate and live steam at P2)



Primary Side (Hot condensate at steam pressure P1)

ARISTI Traps : Continuous opening to discharge condensate as soon as arrives in trap.

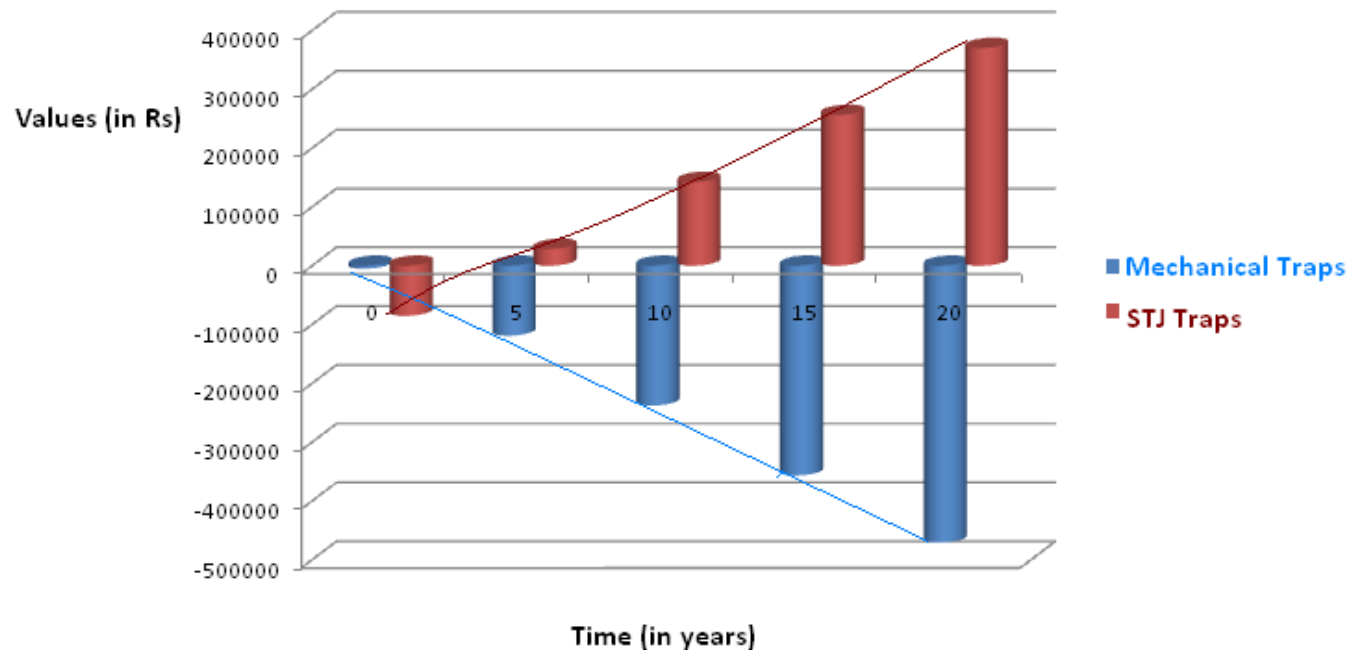
Flashing occurs with in the trap to recover flash steam generated.

Secondary Side (Saturated condensate only at P2)

Advantages WE Deliver

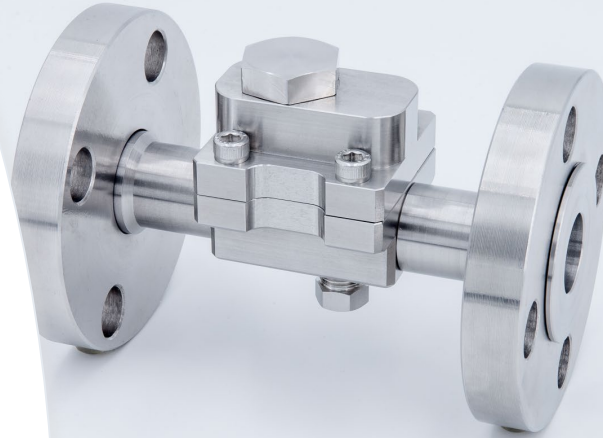
- COST EFFECTIVENESS: Our traps have a life span of over 20 years.
- ENERGY SAVING: Continuous drain discharge by selecting the correct Nozzle size resulting in Substantial fuel cost reduction.
- ROI UNDER 12 MONTHS: Average ROI of less than 12 Months(combination of process and line traps)
- INSURANCE COVER: Each Trap bears a serial number and comes with an insurance cover of USD 1 million with client as the beneficiary (except US, Japan and Canada). * T & C apply.
- NEVER FAIL TO OPEN: Improved reliability due to the true Venturi design of the steam trap that will not fail to open and will substantially reduce loss of live steam.
- RANGE OF NOZZLES: A range of 53 nozzles (#E2 to #50) allows us to manage the system more efficiently; thus increasing client's savings.
- ENVIRONMENT FRIENDLY: Reduces Steam consumption, Fuel costs, CO2 Emissions and minimizes noise. **It also earns you Green Credits.**
- HIGH DURABILITY: All Parts are made from Stainless Steel – SS304 (SS 316 optional)
- IN LINE MAINTENANCE : Flush cleaning of piping through ball valve at your convenience.
- REDUCED SPARES : Eliminates the need to store spare steam traps or steam trap repair kits.
- GUARANTEED PERFORMANCE: 10 Years of Manufacturer's Performance Guarantee, excluding consumables like Nozzles, Strainers and Ball Valves.

How do you Benefit from Our Traps

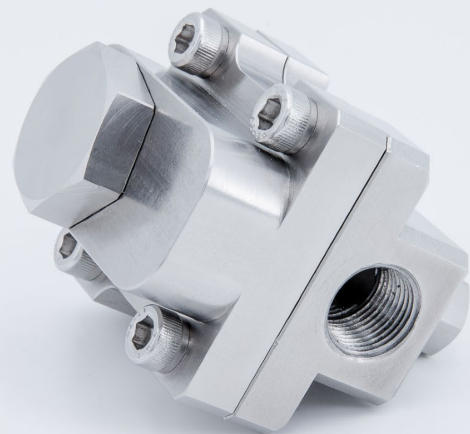
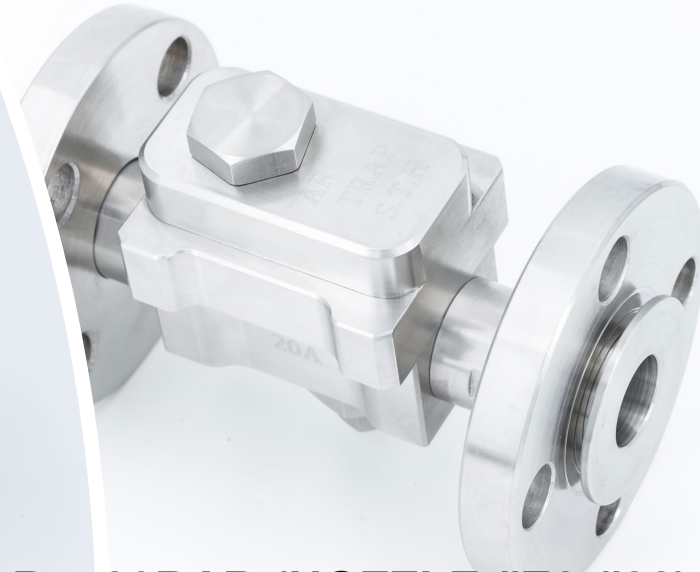


- Harnessing the flash steam energy and discharging the right amount of condensate maintains boiler in state of thermal insulation for longer periods.
- This results in less fuel usage.
- Not to mention, less use of water softeners and other maintenance repairs related to trap.
- Big reduction on CO2 emissions.

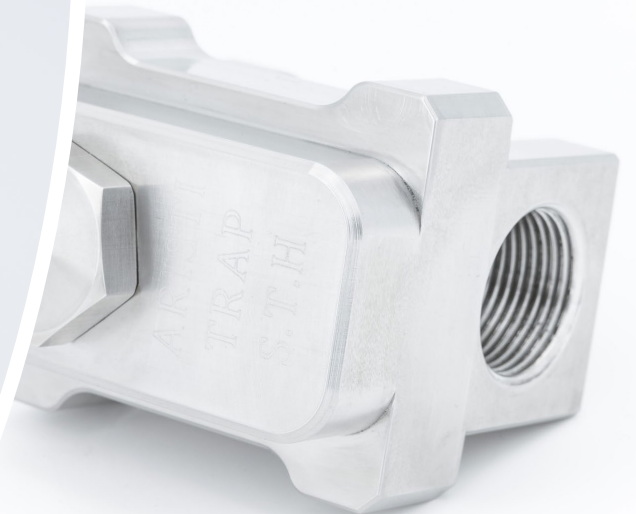
TRAP SIZES



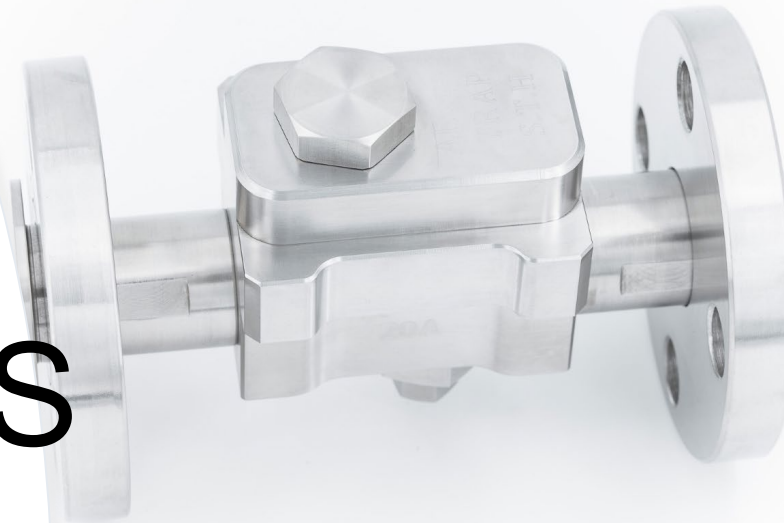
8A/10A LOW PRESSURE TYPE 0.1BAR – 20BAR (NOZZLE #E2-#22)



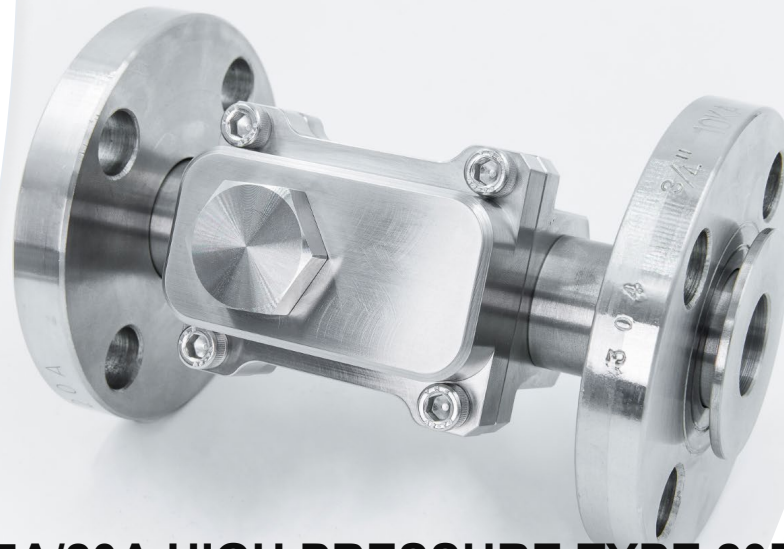
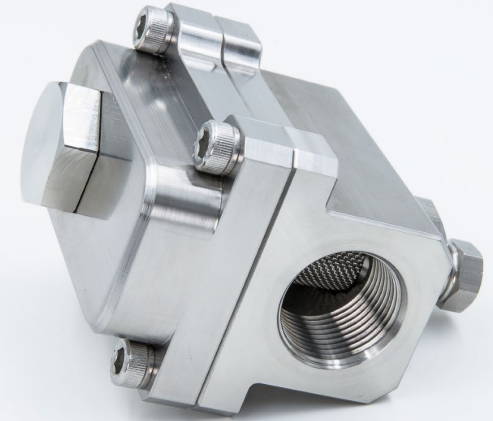
8A/10A HIGH PRESSURE TYPE 20BAR AND ABOVE (NOZZLE #E2-#22)



TRAP SIZES



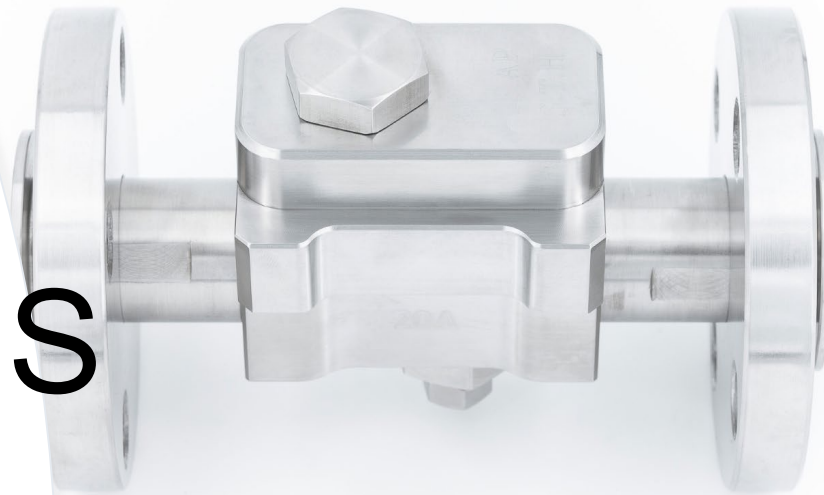
15A/20A LOW PRESSURE TYPE 0.1BAR – 20BAR (NOZZLE #E2-#22)



15A/20A HIGH PRESSURE TYPE 20BAR AND ABOVE (NOZZLE #E2-#22)



TRAP SIZES



25A LOW PRESSURE TYPE 0.1BAR – 20BAR (NOZZLE #E2-#22)

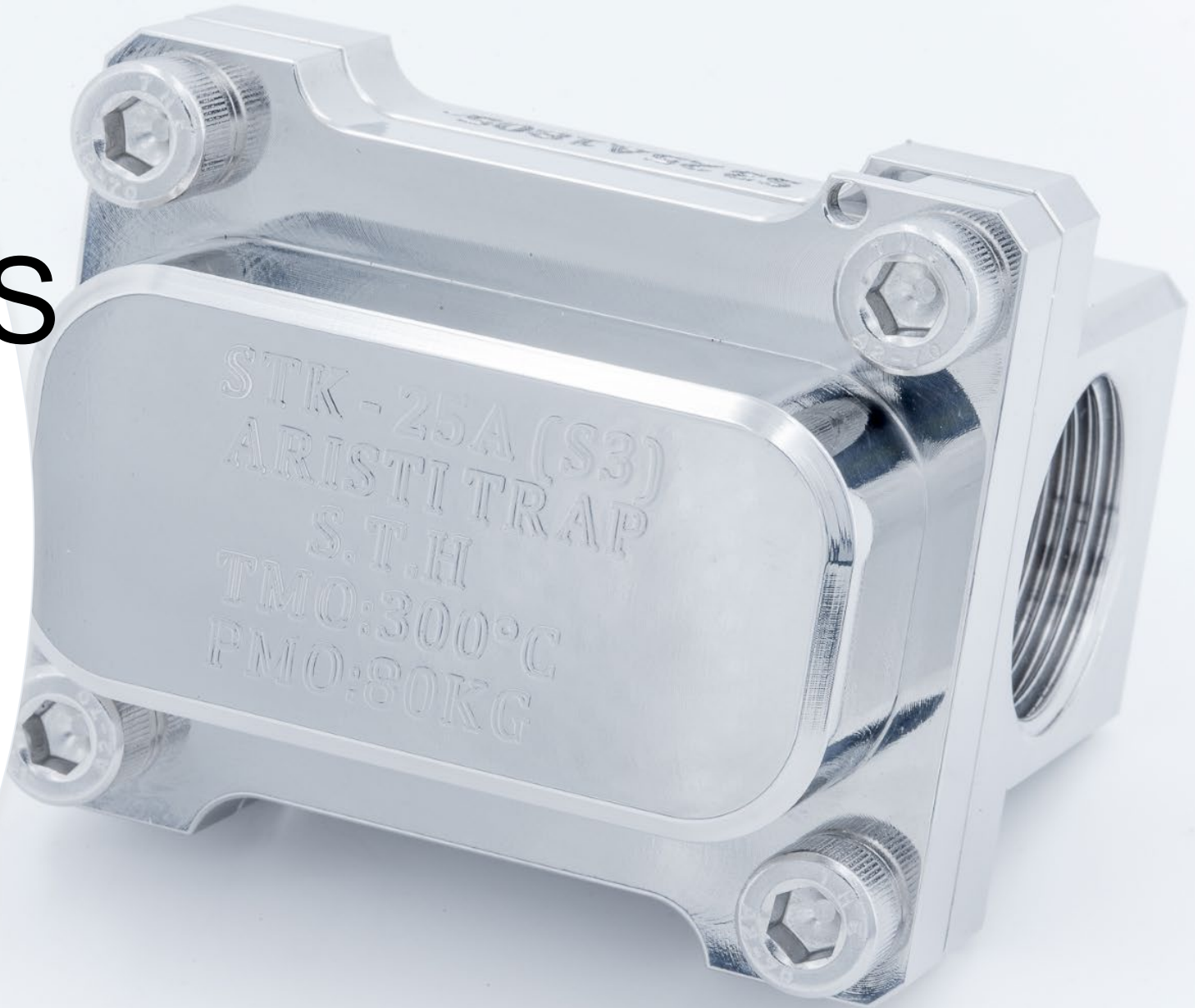


25A HIGH PRESSURE TYPE 20BAR AND ABOVE (NOZZLE #E2-#22)



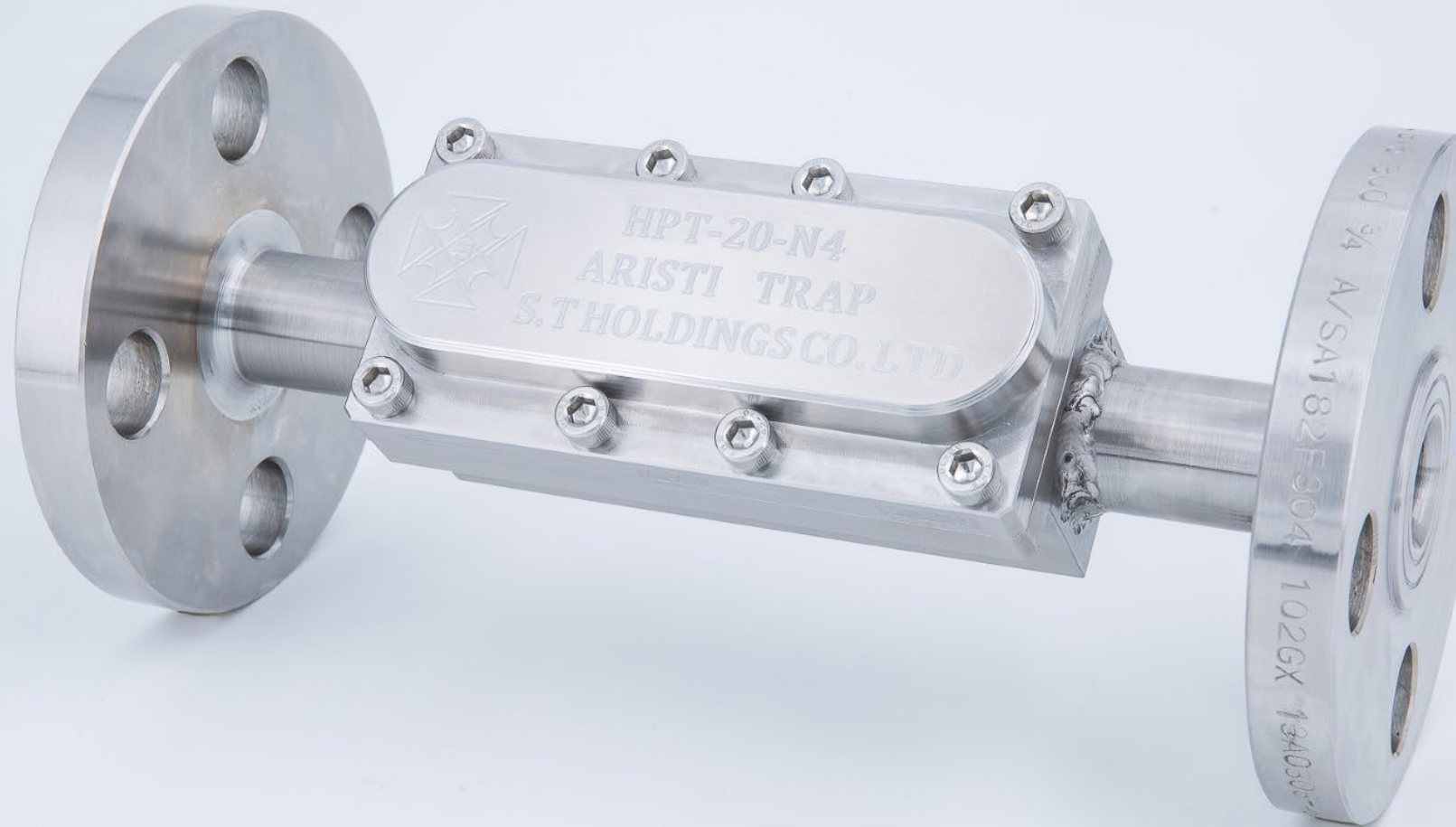
TRAP SIZES

- **STK 25A LOW/HIGH PRESSURE TYPE 0.1BAR – 20BAR (NOZZLE #23-#40)**
- **(POSSIBLE TO USE #E2-#22 WITH ADAPTER)**



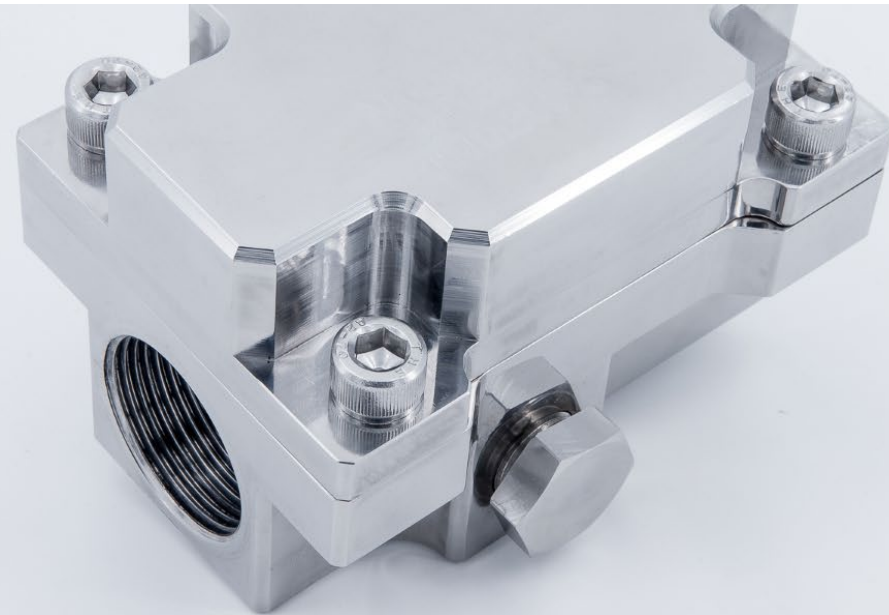
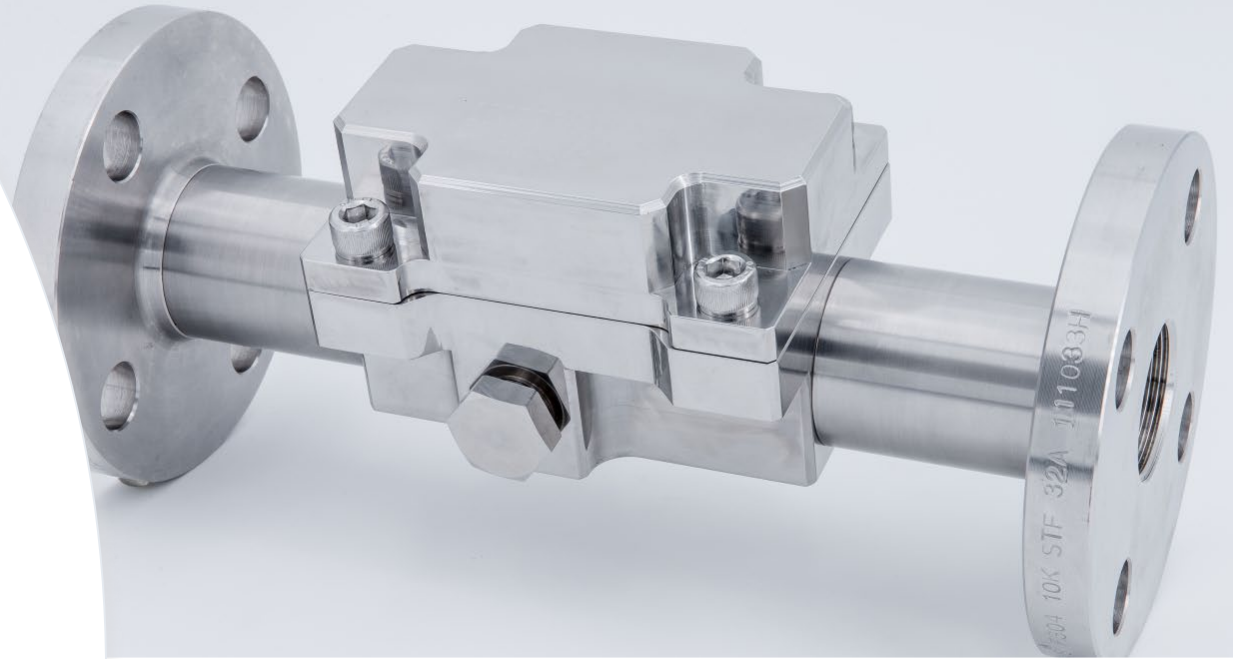
TRAP SIZES

- HPT-N4-20A HIGH PRESSURE TYPE 0.1BAR – 95BAR (NOZZLE #025 #03 #035)



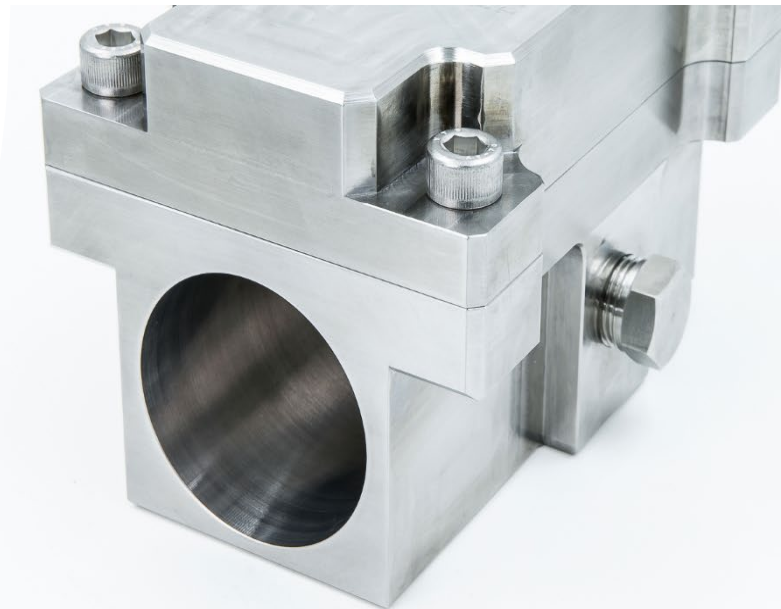
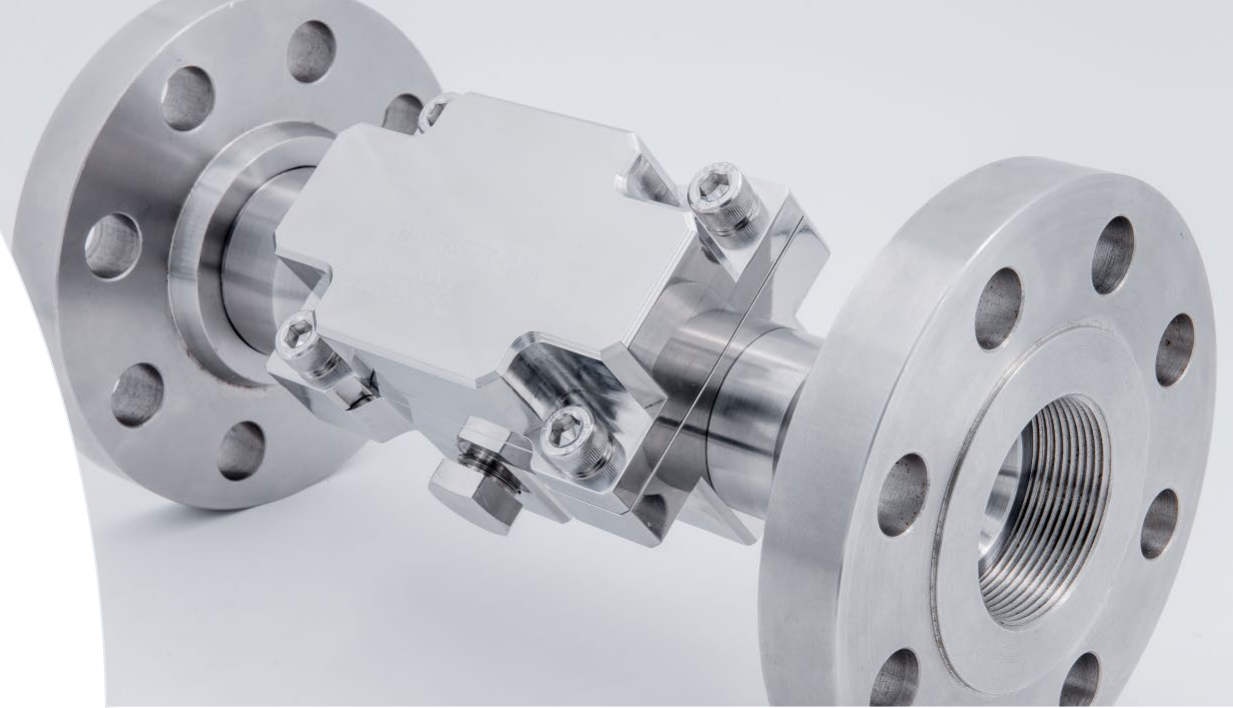
TRAP SIZES

- 32A/40A LOW/HIGH PRESSURE TYPE
0.1BAR – 80BAR (NOZZLE #41-#50)
- (POSSIBLE TO USE #E2-#40 WITH
ADAPTER)



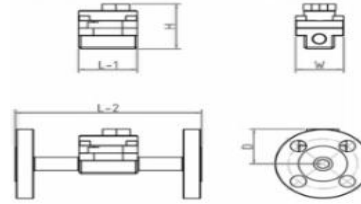
TRAP SIZES

- 50A LOW/HIGH PRESSURE TYPE
0.1BAR – 80BAR (NOZZLE #41-#50)
- (POSSIBLE TO USE #E2-#40 WITH
ADAPTER)



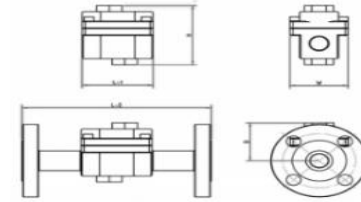
Performance Parameters

ARISTI TRAP 8A-10A



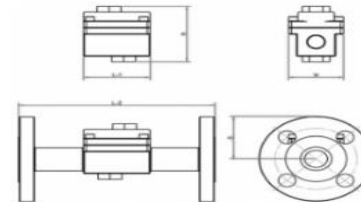
ARISTI TRAP 8A-10A						
形式	接続	呼径	本体材質	最高仕様圧力 (PMO) MPaG	最低仕様圧力 MPaG	最高仕様温度 (TMO °C)
ARISTI TRAP 8A-10A	RC	8A 10A	SUS 304/316	7.7	0.1	480
	フッソ [*]	JIS10KFF JIS20KRF	SUS 304/316			
		L-1 mm	L-2 mm	H mm	W mm	D mm
ねじ込み RC		55	*	58	45	*
JIS 10KFF(15A)		*				43.5
JIS 20KRF(15A)		*	175	*	*	43.5
ASME/JPI(15A)		*				43.5
						重量 (kg)
						0.6
						2.3
						2.6
						2.0

ARISTI TRAP 15A-20A



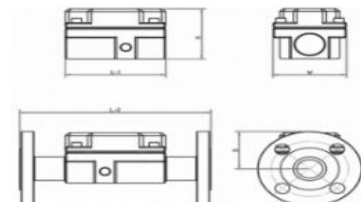
ARISTI TRAP 15A-20A						
形式	接続	呼径	本体材質	最高仕様圧力 (PMO) MPaG	最低仕様圧力 MPaG	最高仕様温度 (TMO °C)
ARISTI TRAP 15A-20A	RC	15A 20A	SUS 304/316	7.7	0.1	480
	フッソ [*]	JIS10KFF JIS20KRF	SUS 304/316			
		L-1 mm	L-2 mm	H mm	W mm	D mm
ねじ込み RC		73	*	82	60	*
JIS 10KFF		*				52.3
JIS 20KRF		*	175	*	*	52.3
ASME/JPI		*				52.3
						重量 15/20 (kg)
						1.2/1.08
						2.9/3.2
						3.1/3.7
						2.6/3.1

ARISTI TRAP 25A



ARISTI TRAP 25A						
形式	接続	呼径	本体材質	最高仕様圧力 (PMO) MPaG	最低仕様圧力 MPaG	最高仕様温度 (TMO °C)
ARISTI TRAP 25A	RC	25A	SUS 304/316	7.7	0.1	480
	フッソ [*]	JIS10KFF JIS20KRF	SUS 304/316			
		L-1 mm	L-2 mm	H mm	W mm	D mm
ねじ込み RC		73	*	82	60	*
JIS 10KFF		*				62.5
JIS 20KRF		*	215	*	*	62.5
ASME/JPI		*				62.5
						重量 (kg)
						1.1
						3.6
						3.8
						2.9

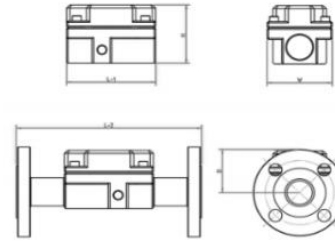
ARISTI TRAP 32A



ARISTI TRAP 32A						
形式	接続	呼径	本体材質	最高仕様圧力 (PMO) MPaG	最低仕様圧力 MPaG	最高仕様温度 (TMO °C)
ARISTI TRAP 32A	RC	32A	SUS 304/316	7.7	0.1	560
	フッソ [*]	JIS10KFF JIS20KRF	SUS 304/316			
		L-1 mm	L-2 mm	H mm	W mm	D mm
本体		130	*	91	95	*
JIS 10KFF		*				67.5
JIS 20KRF		*	245	*	*	67.5
						重量 (kg)
						4.5
						7.8
						8.0

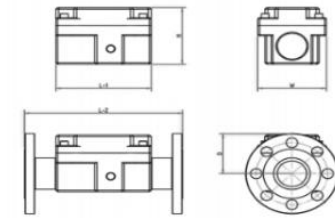
Performance Parameters

ARISTI TRAP 40A



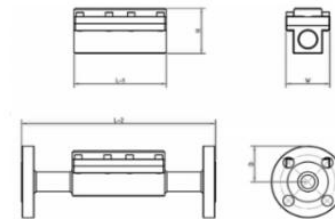
ARISTI TRAP 40A						
形式	接続	口径	本体材質	最高仕様圧力 (PMO) MPaG	最低仕様圧力 MPaG	最高仕様温度 (TMO) °C
ARISTI TRAP 40A	RC	40A	SUS 304/316	7.7	0.1	560
	フッ素 [*]	JIS10KFF	SUS			
		JIS20KRF	304/316			
	L-1 mm	L-2 mm	H mm	W mm	D mm	重量 (kg)
本体	130	*	91	95	*	4.5
JIS 10KFF	*	*	*	*	*	8.0
JIS 20KRF	*	264	*	*	70	8.3
ASME/JPI	*	*	*	*	*	10.0

ARISTI TRAP 50A



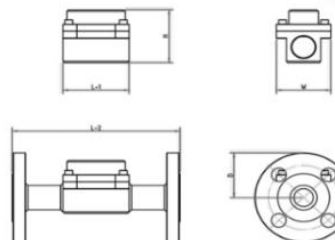
ARISTI TRAP 50A						
形式	接続	口径	本体材質	最高仕様圧力 (PMO) MPaG	最低仕様圧力 MPaG	最高仕様温度 (TMO) °C
ARISTI TRAP 50A	RC	50A	SUS 304/316	7.7	0.1	560
	フッ素 [*]	JIS10KFF	SUS			
		JIS20KRF	304/316			
	L-1 mm	L-2 mm	H mm	W mm	D mm	重量 (kg)
本体	160	*	110	115	*	7.8
JIS 20KRF	*	265	*	*	77.5	12.2
ASME/JPI	*	*	*	*	*	*

ARISTI TRAP HPT-N4-20A



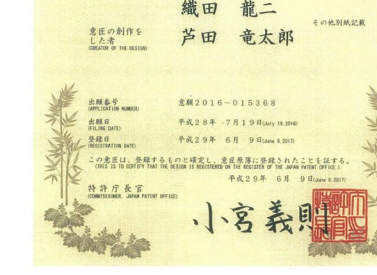
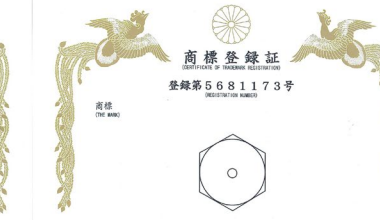
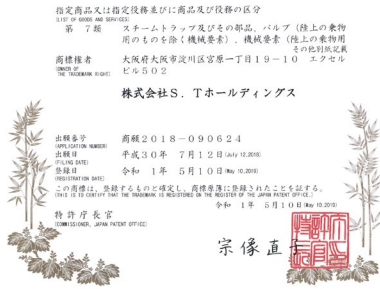
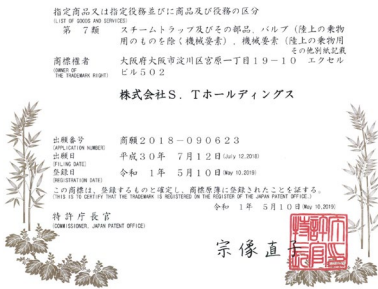
ARISTI TRAP HPT-N4-20A						
形式	接続	口径	本体材質	最高仕様圧力 (PMO) MPaG	最低仕様圧力 MPaG	最高仕様温度 (TMO) °C
ARISTI TRAP HPT-N4-20A	RC	HPT-N4- 20A	SUS 304/316	9.5	0.1	600
	フッ素 [*]	JIS10KFF	SUS			
		JIS20KRF	304/316			
	L-1 mm	L-2 mm	H mm	W mm	D mm	重量 (kg)
本体	126	*	64	60	*	2.2
JIS 20KRF	*	*	*	*	*	5.0
ASME/JPI	*	265	*	*	50	5.65

ARISTI TRAP STK-25A



ARISTI TRAP STK-25A							
形式	接続	口径	本体材質	最高仕様圧力 (PMO) MPaG	最低仕様圧力 MPaG	最高仕様温度 (TMO) °C	
ARISTI TRAP STK-25A	RC	STK-25A	SUS 304/316	7.7	0.1	560	
	フッ素 [*]	JIS10KFF	SUS				
		JIS20KRF	304/316				
	L-1 mm	L-2 mm	H mm	W mm	D mm	重量 (kg)	
ねじ込み	RC	85	*	74	70	*	1.6
JIS 10KFF	*	*	*	*	*	*	4.0
JIS 20KRF	*	215	*	*	62.5	*	4.3
ASME/JPI	*	*	*	*	*	*	4.6

Certificates & Patents



外观设计专利证书

外观设计名称: 蒸汽疏水阀

设计人: 福永文昭; 林江高; 高橋隆

专利号: ZL 2018 3 0682002.3

专利申请日: 2018年12月03日

专利权人: 株式会社ジェニス・ホワイト

地址: 中国上海市浦东新区川沙北路七段219弄18号二楼

授权公告日: 2019年04月12日 授权公告号: CN 305110487 S

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局长 申长雨

第1页(共2页)

商标事务受理局

株式会社ジェニス・ホワイト

〒100-0001 東京都千代田区千代田1-1-1

TEL: 03-5561-1111 FAX: 03-5561-1112

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TOKIO MARINE & NICHIDO FIRE INSURANCE CO., LTD.

2-1, Marunouchi 1-Chome, Chiyoda-Ku, Tokyo, 100-8050 Japan

PRODUCTS COMPLETED OPERATIONS LIABILITY DECLARATIONS

IS RETURN FOR THE PROMPT OF THE PREMIUM AND SUBJECT TO ALL THE TERMS OF THIS POLICY, WE AGREE WITH YOU TO PROVIDE THE INSURANCE AS STATED IN THIS POLICY.

Price Number: 5574721216

Authorized Agent: UKAOTOCHIKAHATSU

1. Named Insured And Mailing Address: (For Naval Insured) NIPPON STEEL BUILDINGS Co., Ltd. Address: 552 East Bldg., 19-10, 1-Chome, Miyakura, Yodogawa-ku, Osaka-shi, Osaka, 5320001, Japan

2. Named Insured is: (Individual) (Partnership) (Company) (Union) (Limited Liability Company) (Organization, Including A Corporation (That Not Including A Partnership, Joint Venture Or Limited Liability Company))

3. Policy Period: From September 1, 2018 To September 1, 2019

4. Renewal Date: August 1, 2013

5. Coverage Territory: Worldwide except Japan, U.S.A. (including its territories and possessions) and Canada

6. Limits Of Insurance (Combined Single Limit)

A. Each Occurrence Limit	US\$ 1,000,000.
B. Aggregate Limit	US\$ 1,000,000.
C. Deductible: Nil For Occurrence	

8. Description of Hazards

Product	Premium Basis	Adjustment Rate	Deposit Premium (Per Month)
All products	Slots (including taxes) \$100,000	Per \$1,000 rates	\$196,000.

9. Completed Operations Not Covered

Maximum Annual Premium	Per \$100,000	Total Deposit Premium (Per Premium)
\$196,000.		\$196,000.

Form and Endorsement(s) make a part of this policy. See attached endorsement(s) No. 1 to No. 5. THESE DECLARATIONS, TOGETHER WITH THE COMMON POLICY CONDITIONS AND COVERAGE FORMS AND ANY ENDORSEMENT(S), COMPLETE THE ABOVE NUMBERED POLICY.

Date of Issue: September 27, 2018 TOKYO MARINE & NICHIDO FIRE INSURANCE CO., LTD.

東京海上日動火災保険株式会社

北沢利文



Thank You

EXCLUSIVE DISTRIBUTORS(INDIA)

STEAM SOLUTIONS LLP

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