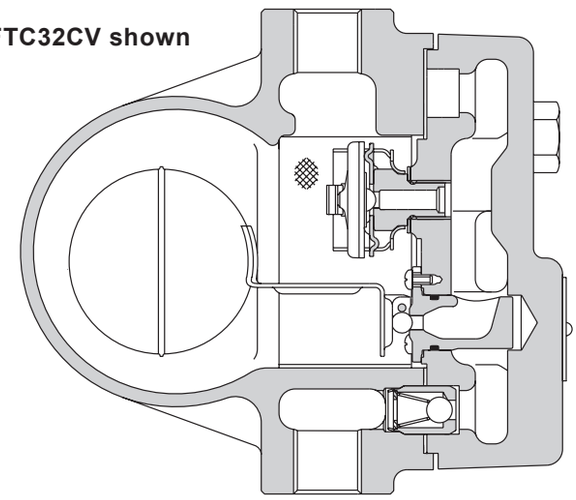
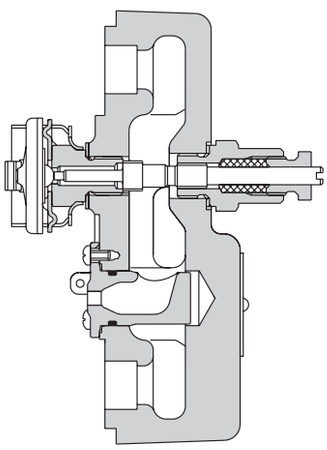
TI-P602-01
CMGT Issue 5

FTC32
Carbon Steel
Ball Float Steam Trap (DN15 and DN20)

FTC32CV shown



FTC32-C



Description
The FTC32 is a carbon steel ball float steam trap with integral automatic thermostatic air vent. It is ideal for all process drainage applications as condensate is always removed efficiently and quickly over a wide range of fluctuating pressure and load conditions. Standard connections are horizontal from right to left (R-L) when viewed from the base.

Capsule
The BP99/32 capsule which is used in the FTC32 ball float steam trap is suitable for use on 150 °C superheat @ 0 bar g and 50 °C superheat @ 32 bar g.

Standards
This product fully complies with the requirements of the Pressure Equipment Directive (PED) and carries the CE mark when so required.

Certification
This product is available with certification to EN 10204 3.1.
Note: All certification/inspection requirements must be stated at the time of order placement.

Sizes and pipe connections
½" and ¾" screwed BSP and NPT.
½" and ¾" socket weld to BS 3799 Class 3000 and ASME (ANSI) B16.11 Class 3000.
DN15 and DN20 flanged to EN 1092 PN40, ASME (ANSI) B16.5 Class 150 and 300, JIS/KS 20K and 30K.

Optional extras
The FTC32 is also available with horizontal connections having flow from left to right - **FTC32 (L-R)**, and vertical - **FTC32V**.

The trap is available with either ASTM or DIN body material.

An optional manually adjustable needle valve can be fitted to all versions which provides a steam lock release feature in addition to the air vent - **FTC32-C**.

An optional internal strainer screen is available - **FTC32X**.

An internal non-return valve is available - **FTC32CV**.

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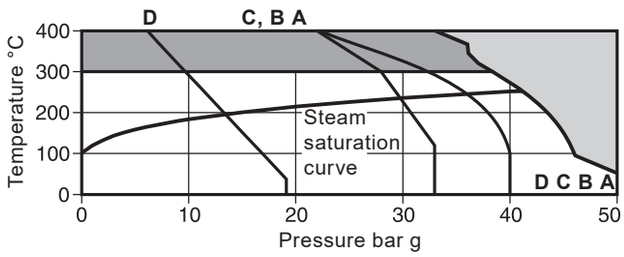
Steam traps
Ball float

Pressure/temperature limits (ISO 6552)



The product **must not** be used in this region.

The product should not be used in this region or beyond its operating range as damage to the internals may occur.

A - A Flanged ASME 300, JIS/KS 30K, screwed and socket weld.

A - B Flanged PN40.

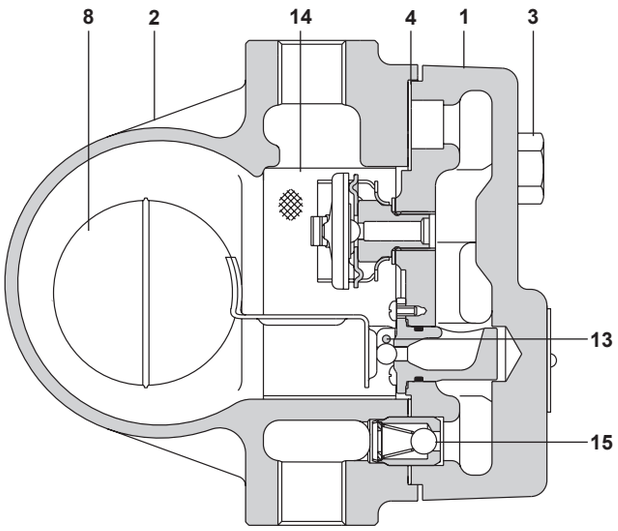
A - C Flanged JIS/KS 20K.

A - D Flanged ASME 150.

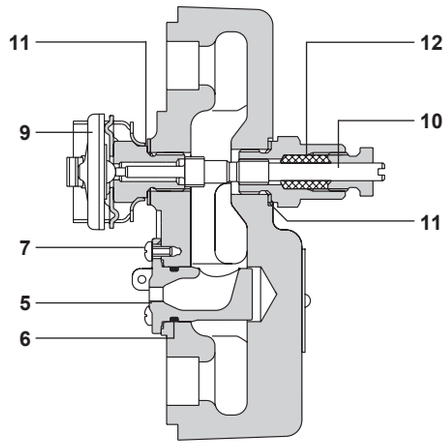
Body design conditions		PN40/ASME (ANSI) 300	
PMA	Maximum allowable pressure	PN	40 bar g
		ASME	50 bar g
TMA	Maximum allowable temperature		400 °C
Minimum allowable temperature			0 °C
PMO	Maximum operating pressure (recommended)		32 bar g
TMO	Maximum operating temperature		300 °C
Minimum operating temperature Note: For lower operating temperatures consult Spirax Sarco			0 °C
ΔPMX	Maximum differential pressure	FTC32-4.5	4.5 bar
		FTC32-10	10 bar
		FTC32-14	14 bar
		FTC32-21	21 bar
		FTC32-32	32 bar
Designed for a maximum cold hydraulic test pressure of:		PN	60 bar g
		ASME	75 bar g

The trap in its complete operational form must not be subjected to pressures greater than 48 bar as damage to the internals may occur.

Materials



FT32CV shown



FTC32-C

No	Part	Material	
1	Body	Cast steel	ASTM A216 WCB/ DIN 17245 GS C25N
2	Cover	Cast steel	ASTM A216 WCB/ DIN 17245 GS C25N
3	Cover bolts M12 x 35	Steel	ASTM A193 B7/A 2.70
4	Cover gasket	Reinforced exfoliated graphite	
5	Main valve seat	Stainless steel	BS 3146 ANC 2
6	'O' ring	EPDM	
7	Main valve assembly screws M3 x 6	Stainless steel	BS 6105 CI A2 70
8	Ball float and lever	Stainless steel	BS 1449 304 S11
9	Air vent assembly	Stainless steel	
10	SLR assembly	Stainless steel	BS 970 303 S21
11	Air vent/SLR gasket	Stainless steel	BS 1449 304 S16
12	SLR seal	Graphite	
13	Pivot	Stainless steel	BS 970 431 S29
14	Strainer screen (FTC32X only)	Stainless steel	ASTM A240 316L
15	Check valve assembly (FTC32CV only)	Stainless steel	

Note: For clarity some items are not identified on the drawing.

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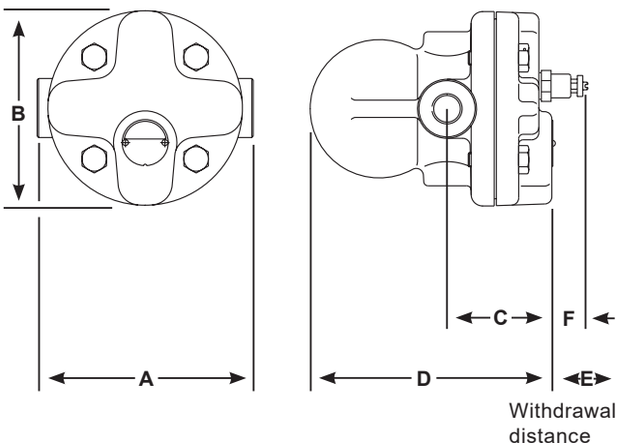
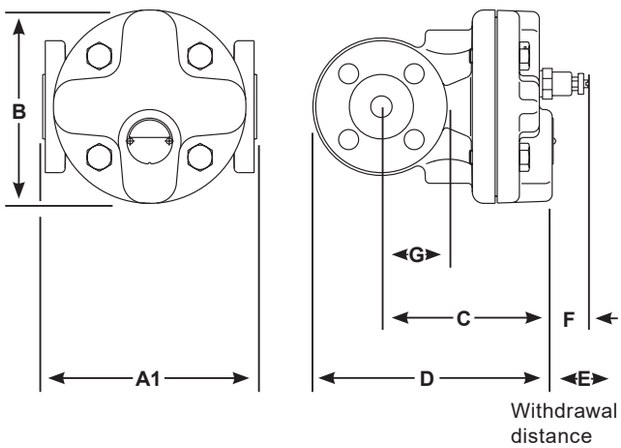
Steam traps
Ball float

Dimensions/weights (approximate) in mm and kg

Screwed/socket weld

Size	A	B	C	D	E	F	Weight
½" and ¾"	150	135	74	169	120	26	5.8





Flanged

Size	A1 PN40	A1 ASME 150	A1 ASME 300	A1 JIS 20K	A1 JIS 30K	B	C	D	E	F	G	Weight
DN15 and DN20	150	144	150	150	150	135	121	180	120	26	47	7.4

How to order
Example: 1 off Spirax Sarco DN15 FTC32-10-C-X-CV (R-L) carbon steel ball float steam trap having flanged EN 1092 PN40 connections and material certification to EN 10204 3.1.

Safety information, installation and maintenance
For full details see the Installation and Maintenance Instructions (IM-P602-12) supplied with the product.

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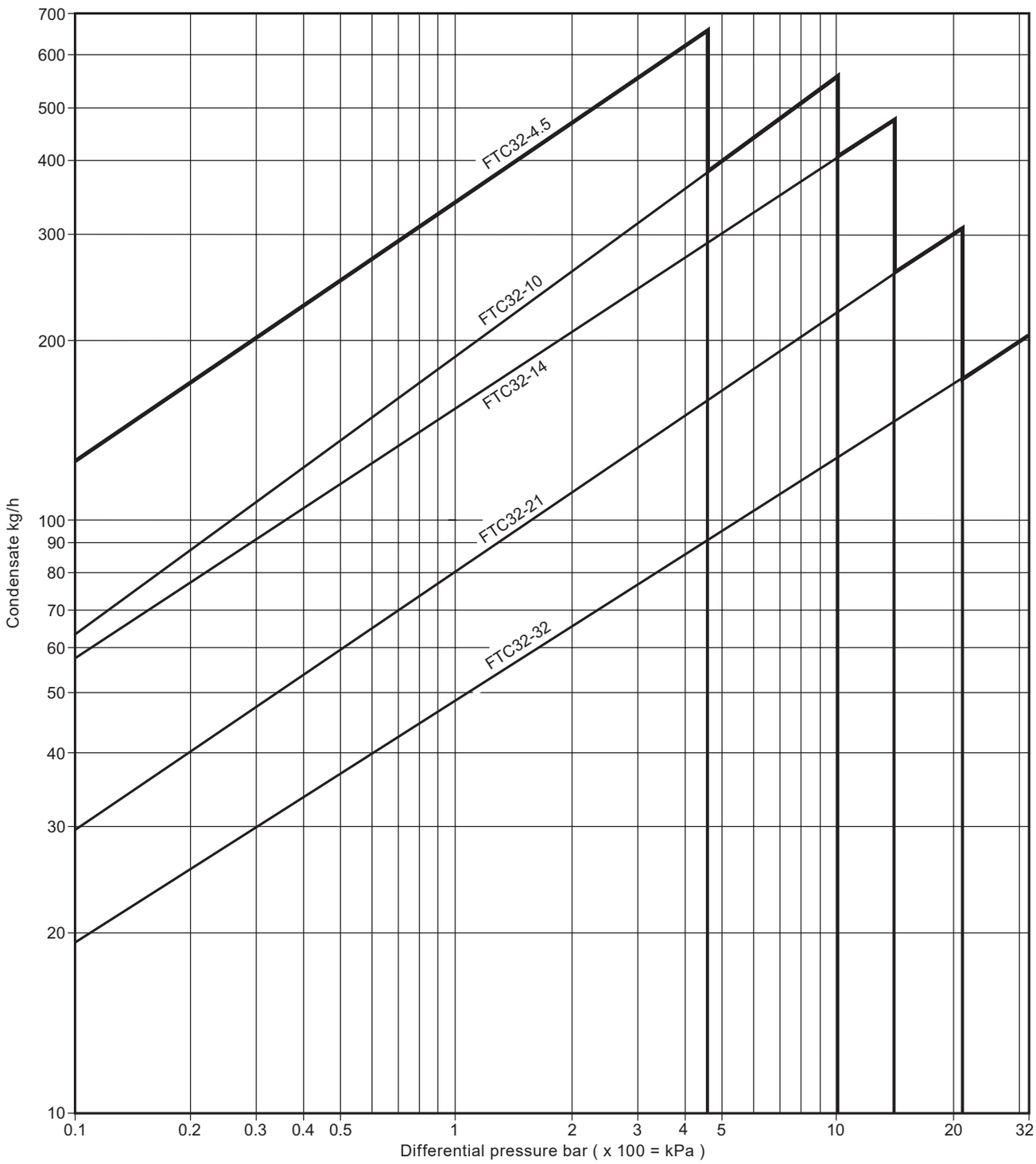
Installation note
The FTC32 must be installed with the direction of flow as indicated on the body, and with the float arm in a horizontal plane so that it rises and falls vertically.

Disposal
This product is recyclable. No ecological hazard is anticipated with the disposal of this product providing due care is taken.

Capacities



Additional cold water capacities from thermostatic air vent (TV) under start-up conditions.

Capacities shown above are based on condensate at saturation temperature. Under start-up conditions when the condensate is cold the internal thermostatic air vent (TV) will be open and provides additional capacity to the main valve. The following table gives the minimum additional cold water capacities from the air vent.

ΔP (bar)	0.5	1	2	3	4.5	7	10	14	21	32
Minimum additional cold water capacity (kg/h)										
DN15 and DN20	70	140	250	380	560	870	1 130	1 500	2 300	3 200

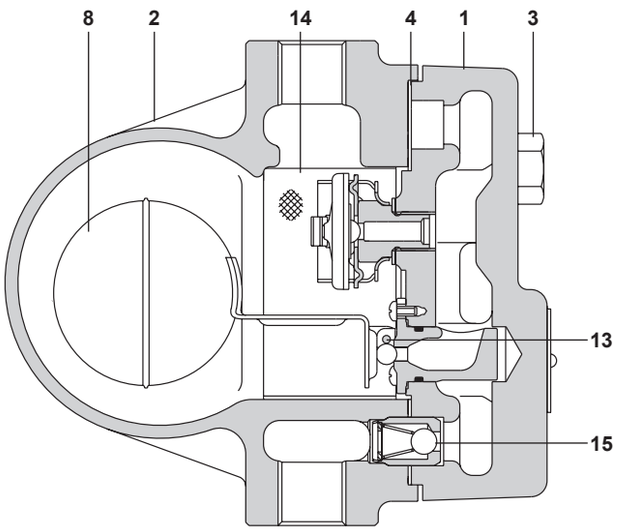
Steam traps
Ball float

Spare parts
Spare parts are available as indicated. No other parts are supplied as spares.

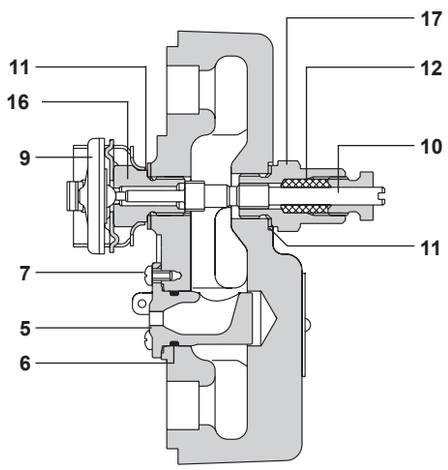
Available spares	
Main valve assembly with float	**5, 6, 7** (3 off), **8, 13**
Air vent assembly	**9, 11**
Manually adjustable needle valve and air vent assembly	**9, 10, 11**
Cover gasket (packet of 3)	**4**
Check valve assembly	**15**
Strainer screen	**14**

How to order spares
Always order spare parts by using the description given in the column headed 'Available spares' and state the size, model number and pressure rating of the trap.

Example: 1 off Main valve assembly with float for a Spirax Sarco DN15 FTC32-10-C-X-CV (R-L) ball float steam trap.



FT32CV shown



FTC32-C

Recommended tightening torques

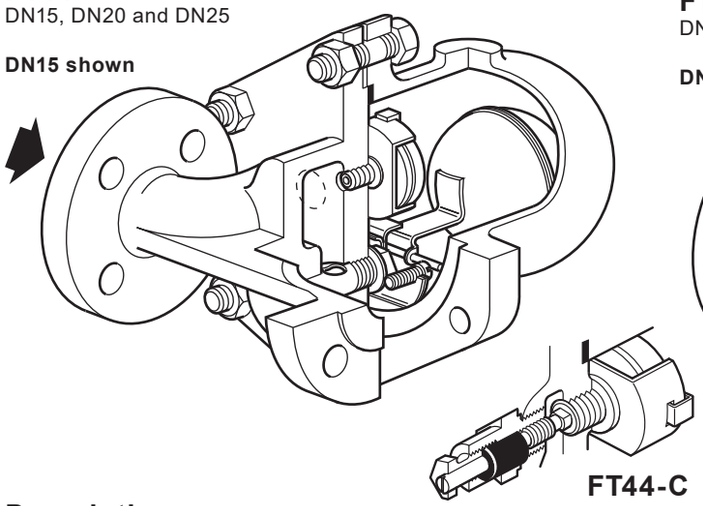
Item	or mm		N m
3	19	M12 x 35	65 - 70
7	Posidrive	M3 x 6	1 - 1.5
16	17		50 - 55
17	19		40 - 45

TI-S02-14
CMGT Issue 16

FT44
Carbon Steel
Ball Float Steam Traps (DN15 to DN50)

FT44
DN15, DN20 and DN25

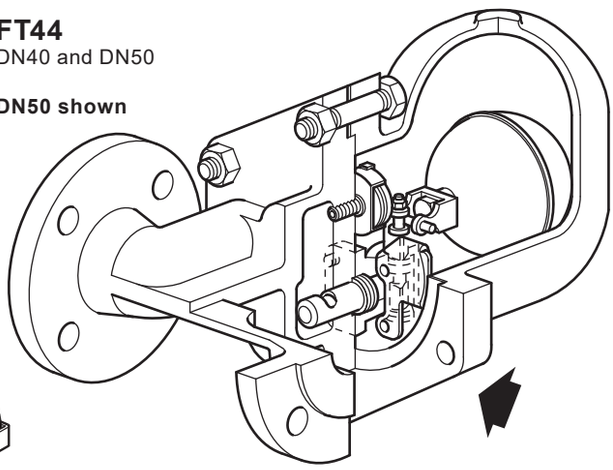
DN15 shown



FT44-C

FT44
DN40 and DN50

DN50 shown



Description
The FT44 is a carbon steel bodied ball float steam trap having stainless steel working internals and automatic air venting facility. The body and cover castings are produced by a TÜV approved foundry. The trap is supplied with integrally flanged connections and can be maintained without disturbing the pipework. Vertical flanged connections, designated FT44V, are available for all sizes. Flow direction for the horizontal trap is clearly illustrated above. For vertically orientated traps the flow is downwards only.

Available options:
FT44 – Horizontal flow
FT44V – Vertical flow

Capsule
The BP99/32 capsule which is used in the FT44 is suitable for use on 150 °C superheat @ 0 bar g and 50 °C superheat @ 32 bar g.

Optional extras

A **manually adjustable needle valve** (designated 'C' on the nomenclature i.e. **FT44-C**) can be fitted to the **FT44 horizontal version only**.

This option provides a **steam lock release (SLR)** feature in addition to the standard air vent. For further information please consult Spirax Sarco.

The **top of the cover can be drilled and tapped ⅜" BSP or NPT** for the purpose of fitting a balance line if requested at the point of order.

The **bottom of the cover can be drilled and tapped ⅜" BSP or NPT** for the purpose of fitting a drain cock if requested at the point of order.

Standards
This product fully complies with the requirements of the Pressure Equipment Directive (PED) and carries the CE mark when so required.

Certification
This product is available with certification to EN 10204 3.1.
Note: All certification / inspection requirements must be stated at the time of order placement.

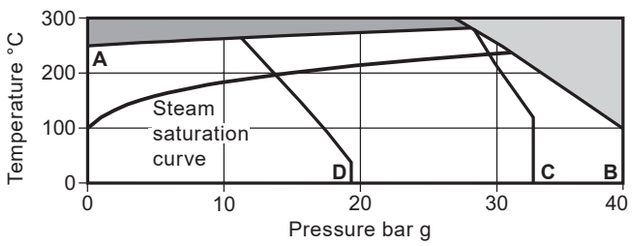
Steam traps
Ball float

Sizes and pipe connections
DN15, DN20, DN25, DN40 and DN50.

Horizontal traps: Note the flow direction when facing the body: **-** DN15 to DN25 is left to right. **-** DN40 and DN50 is right to left. Standard flanges are EN 1092 PN40 with face-to-face dimensions in accordance with EN 26554 (Series 1), ASME B 16.5 Class 150, ASME B 16.5 Class 300 and JIS/KS 20 flanges are also available with extended face-to-face dimensions.

Vertical traps: Note that the flow direction is vertically downwards only.
Standard flanges are EN 1092 PN40 with face-to-face dimensions in accordance with EN 26554 (Series 1). ASME B 16.5 Class 150, ASME B 16.5 Class 300 and JIS/KS 20 are also available with face-to-face dimensions in accordance with EN 26554 (Series 1). ASME / JIS / KS flanges are supplied with tapped holes to receive flange bolts. ASME flanges have UNC threads and JIS / KS have metric threads.

Pressure/temperature limits



The product **must not** be used in this region.

This product should not be used in this region as damage to the internals may occur.

A - B Flanged EN 1092 PN40 and ASME 300

A - C Flanged JIS/KS 2

A - D Flanged ASME 150.

Body design conditions		PN40
PMA	Maximum allowable pressure	40 bar g @ 100 °C
TMA	Maximum allowable temperature	300 °C @ 27.5 bar g
Minimum allowable temperature		-10 °C
PMO	Maximum operating pressure for saturated steam service **Note:** The DN40 and DN50 traps are limited to a PMO equal to DPMX	32 bar g @ 239 °C
TMO	Maximum operating temperature	285 °C @ 28.5 bar g
Minimum operating temperature **Note:** For lower operating temperatures consult Spirax Sarco		0 °C

		Size	DN15, DN20, DN25	DN40, DN50
ΔPMX	Maximum differential pressure	**FT44-4.5**	4.5 bar	4.5 bar
		FT44-10	10 bar	10 bar
		FT44-14	14 bar	-
		FT44-21	21 bar	21 bar
		FT44-32	32 bar	32 bar

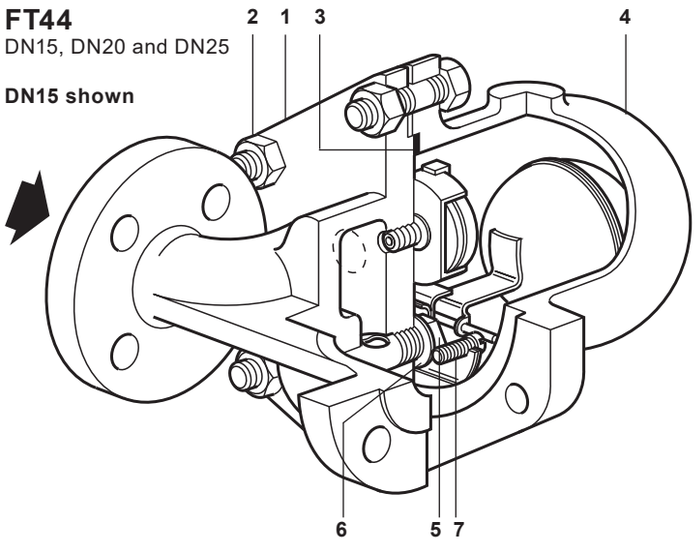
Designed for a maximum cold hydraulic test pressure:	60 bar g

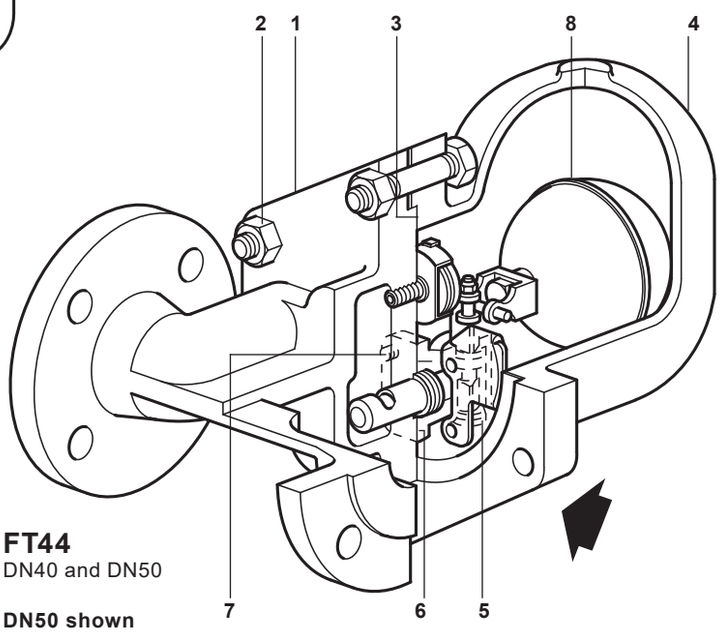
Caution: The trap in its complete operational form must not be subjected to a pressure greater than 48 bar otherwise damage to the internal mechanism may result.

Materials

FT44
DN15, DN20 and DN25

DN15 shown





FT44
DN40 and DN50

DN50 shown

No.	Part			Material	
1	Body			Carbon steel	1.0619+N/WCB
	Cover studs			Steel	BS 4882 B7M
2	Cover nuts		DN15, DN20 and DN25	Steel	EN 10269 25 Cr Mo 4
			DN40 and DN50	Steel	BS 3692 Gr. 8
3	Cover gasket			Reinforced exfoliated graphite	
4	Cover			Carbon steel	1.0619+N/WCB
5	Valve seat		DN15, DN20 and DN25	Stainless steel	BS 970 431 S29
	Main valve assembly with erosion deflector		DN40 and DN50	Stainless steel	BS 3146 Pt2 ANC2
					BS 970 416 S37
	Valve seat gasket		DN15, DN20 and DN25	Stainless steel	BS 1449 304 S11
6	Main valve assembly gasket		DN40 and DN50	Reinforced exfoliated graphite	
7	Pivot frame assembly screws		DN15, DN20 and DN25	Stainless steel	BS 4183 18/8
	Main valve assembly	Bolts	DN40	Stainless steel	BS 970 302 S25
		Studs and nuts	DN50	Stainless steel	BS 970 431 S29

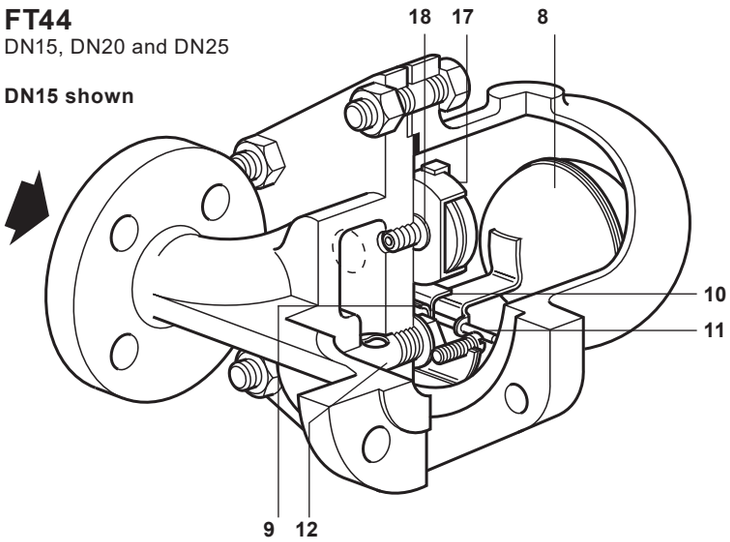
Materials continued on the next page

Steam traps
Ball float

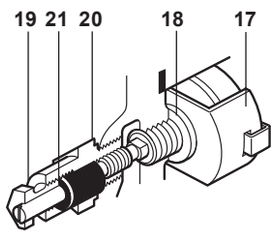
Materials (continued)

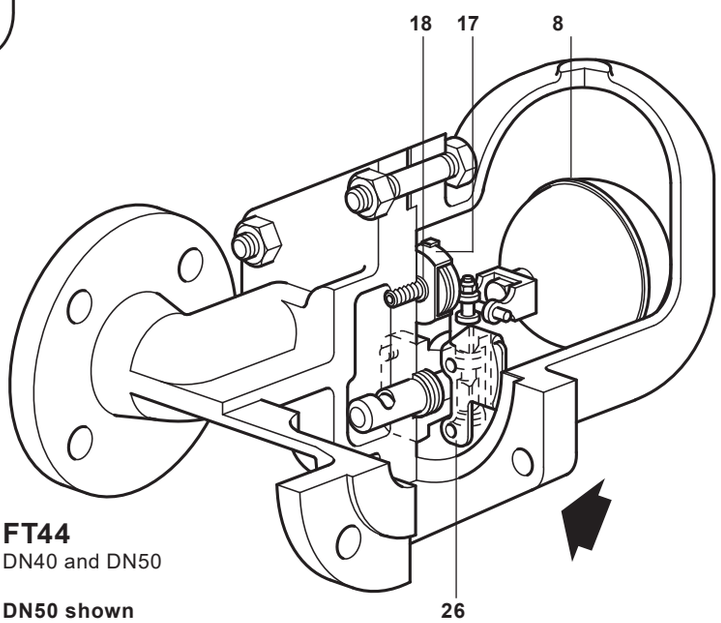
FT44
DN15, DN20 and DN25

DN15 shown



FT44-C



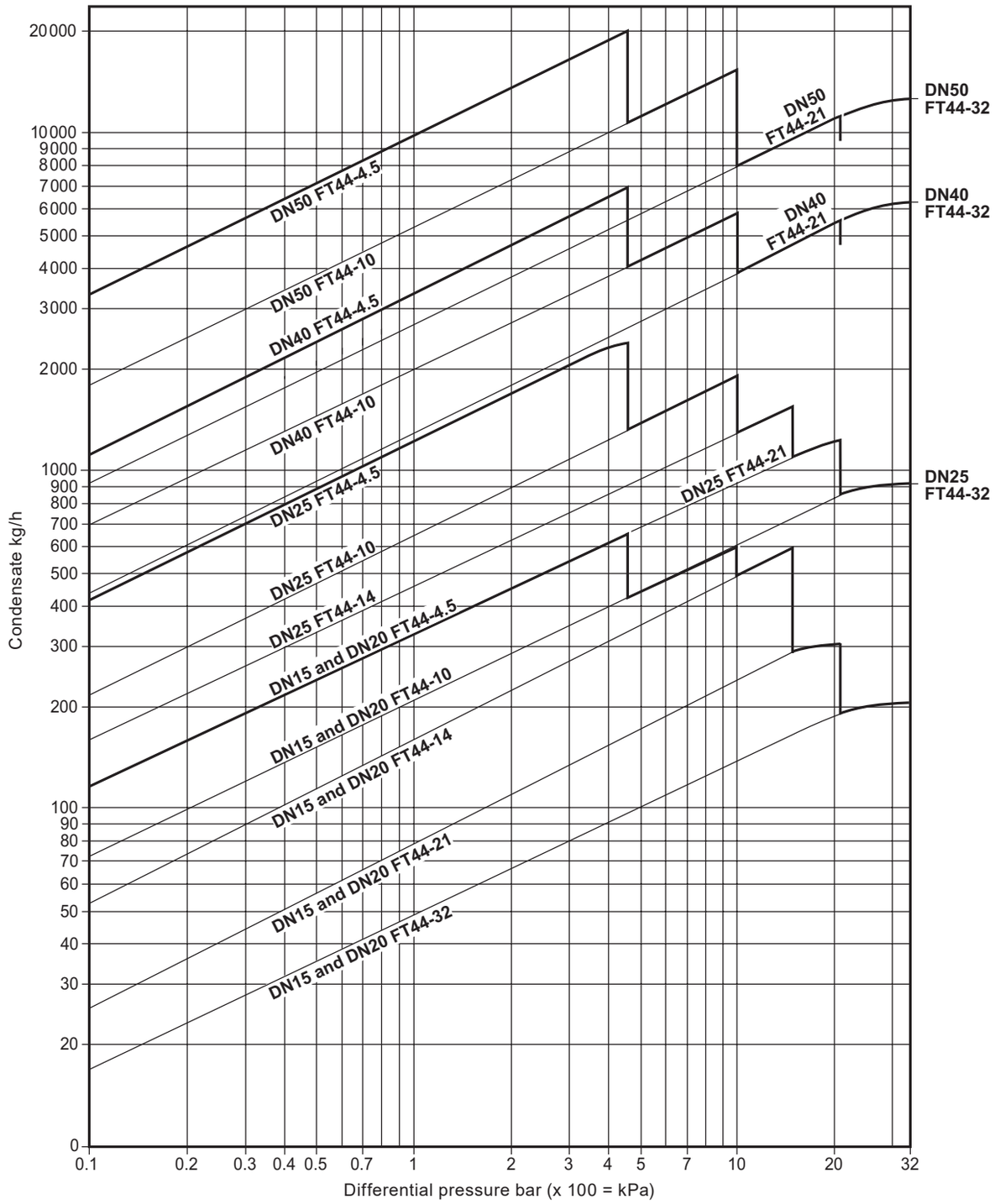


FT44
DN40 and DN50

DN50 shown

No.	Part		Material	
8	Ball float and lever		Stainless steel	BS 1449 304 S16
9	Support frame	DN15, DN20 and DN25	Stainless steel	BS 1449 304 S16
10	Pivot frame	DN15, DN20 and DN25	Stainless steel	BS 1449 304 S16
11	Pivot pin	DN15, DN20 and DN25	Stainless steel	
12	Erosion deflector		Stainless steel	BS 970 431 S29
17	Air vent assembly		Stainless steel	
18	Air vent seat gasket		Stainless steel	BS 1449 409 S19
19	SLR assembly		Stainless steel	BS 970 303 S31
20	SLR gasket		Steel	BS 1449 CS4
21	SLR seal		Graphite	
26	Inlet plate	DN40 and DN50 only	Stainless steel	BS 1449 304 S16

Capacities



Additional cold water capacities from the thermostatic air vent under start-up conditions

Capacities shown above are based on condensate at saturation temperature. Under start-up conditions when the condensate is cold the internal thermostatic air vent will be open and provides additional capacity to the main valve.
The following table gives the minimum additional cold water capacities from the air vent.

ΔP (bar)		0.5	1	2	3	4.5	7	10	14	21	32
		Minimum additional cold water capacity (kg/h)									
DN15 and DN20	up to 21 bar	450	600	780	1 040	1 140	1 350	1 530	1 750	2 300	-
	32 bar only	170	250	380	520	600	780	860	1 140	1 170	1 200
DN25, DN40 and DN50	up to 21 bar	460	680	900	1 080	1 300	1 600	1 980	2 050	2 600	-
	32 bar only	90	120	350	460	600	850	900	1 020	1 200	1 300

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Steam traps
Ball float

Dimensions/weights (approximate) in mm and kg

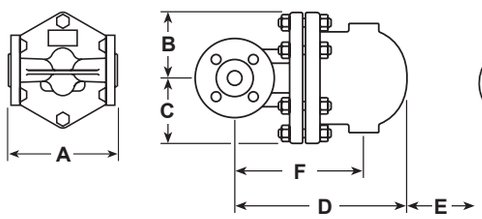
Notes:

1. Dimensions in brackets relate to vertical connections only.

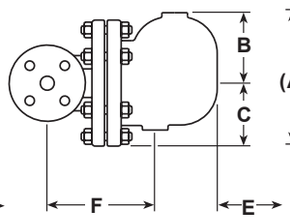
2. PN40 face-to-face dimensions are in accordance with EN 26554 (Series 1).

Size	PN40 A (A)	ASME 300 A (A)	ASME 150 A (A)	JIS/KS 20K A (A)	B	C
DN15	150 (150)	209 (150)	203 (150)	206 (150)	80	80
DN20	150 (150)	209 (150)	205 (150)	210 (150)	80	80
DN25	160 (160)	212 (160)	208 (160)	210 (160)	115	85
DN40	230 (230)	327 (230)	321 (230)	322 (230)	130	115
DN50	230 (230)	320 (230)	313 (230)	311 (230)	141	123

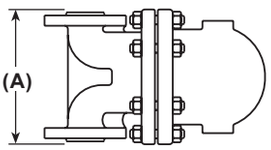
FT44
DN15 and DN20



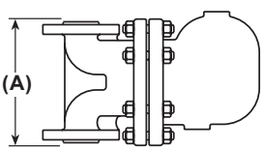
FT44
DN25, DN40 and DN50



FT44V
DN15 and DN20



FT44V
DN25, DN40 and DN50



Size	PN40 D	ASME 300 D	ASME 150 D	JS/KS 20K D	E	F	Weight
DN15	215	215	215	215	120	155	10.8
DN20	225	225	225	225	120	165	10.8
DN25	282	282	282	282	170	215	15.0
DN40	326	248	248	248	200	200	33.0
DN50	332	251	251	251	200	225	34.0

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Safety information, installation and maintenance

For full details see the Installation and Maintenance Instructions (IM-S02-30) supplied with the product.

Installation note:

The FT44 must be installed with the direction of flow as indicated on the body, and with the float arm in a horizontal plane so that it rises and falls vertically.

Disposal

This product is recyclable. No ecological hazard is anticipated with the disposal of this product, providing due care is taken.

How to order

Example: 1 off Spirax Sarco DN25 FT44-14 ball float steam trap, flanged to EN 1092 PN40 with carbon steel body and cover and thermostatic air vent.

Spare parts

The spare parts available are shown in solid outline. Parts drawn in a grey line are not supplied as spares.

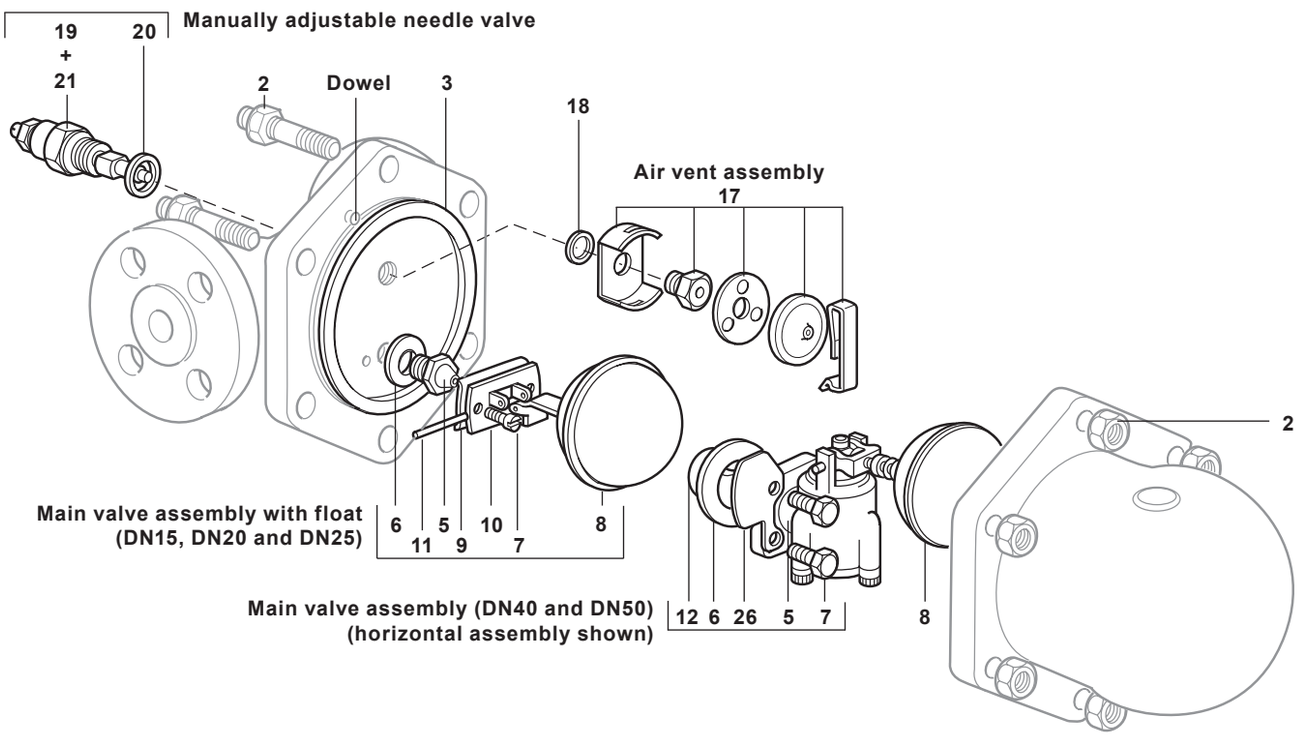
Available spares

Main valve assembly with float (DN15, DN20 and DN25 horizontal traps)*	**5, 6, 7, 8, 9, 10, 11**
Main valve assembly with integral erosion deflector (DN40 and 50) ** (specify horizontal or vertical trap)	**5, 6, 7, 12, 26**
Main valve assembly with float and erosion deflector (DN15 and DN20 vertical traps only)	**5, 6, 7, 8**
Ball float (DN40 and DN50)	**8**
Air vent assembly	**17, 18**
Manually adjustable needle valve (SLR - Steam lock assembly) and air vent assembly (FT44-C)	**17, 18, 19, 20, 21**
Complete set of gaskets (packet of 3 sets)	**3, 6, 18, 20**

* On horizontal traps the erosion deflector on the DN15, DN20 and DN25 is pressed into the body during manufacture and not available as a spare.
** There is no erosion deflector on vertical traps.

How to order spares

Always order spares by using the description given in the column headed 'Available spares' and state the size and type of trap, including pressure range and orientation i.e.: horizontal or vertical connections.
Example: 1 - Main valve assembly for a Spirax Sarco DN40 FT44-4.5V ball float steam trap, with vertical connections.



Recommended tightening torques

Item	Size	or mm		N m
2	DN15, DN20 and DN25	17 A/F	M10 x 60	19 - 22
	DN40	24 A/F	M16 x 85	60 - 66
	DN50	24 A/F	M16 x 85	80 - 88
5	DN15, DN20 and DN25	17 A/F		50 - 55

Item	Size	or mm		N m
7	DN15, DN20 and DN25		M5 x 20	2.5 - 2.8
	DN40	10 A/F	M6 x 20	10 - 12
	DN50	13 A/F	M8 x 20	20 - 24
17		17 A/F		50 - 55
19		22 A/F		50 - 55

8 Steam traps
Ball float

TI-P179-13
CMGT Issue 4

FTC62
Carbon Steel
Ball Float Steam Traps (DN15 to DN25)

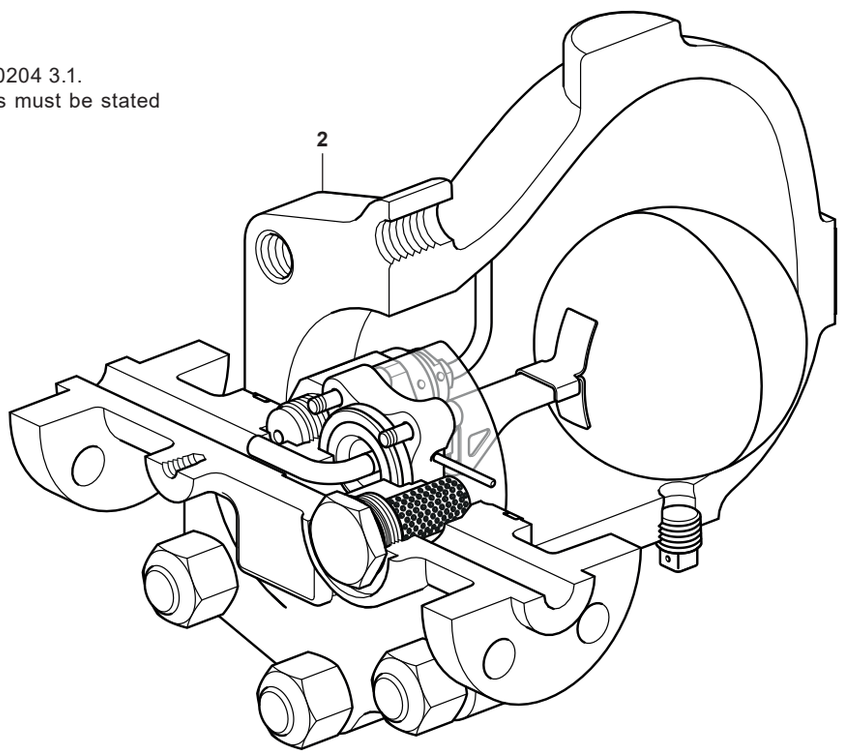
Description
The FTC62 is a carbon steel bodied ball float steam trap having stainless steel working internals and automatic air venting facility.

FTC62 available options when facing the body:	**L-R**	Select **L-R** for a flow direction of **Left-to-Right**
		or
	R-L	Select **R-L** for a flow direction of **Right-to-Left**

Optional extra:
On request the cover (**2**) can be drilled and tapped for the purpose of fitting a balance line.
If this option is requested at the time of order placement there will be an extra charge incured and the unit will be treated as a special product.

Standards
This product fully complies with the requirements of the EU Pressure Equipment Directive/UK Pressure Equipment (Safety) Regulations and carries the CE / UKCA mark.

Certification
This unit is available with certification to EN 10204 3.1.
Note: All certification/inspection requirements must be stated at the time of order placement.



Sizes and pipe connections

½", ¾" and 1"	Screwed BSP or NPT
½", ¾" and 1"	Socket weld ends to BS 3799 and Class 3000 lbs
Standard flanges:	
DN15, DN20 and DN25	Flanged EN 1092-1 PN100 †
½", ¾" and 1"	Flanged ASME B 16.5 Class 600

8

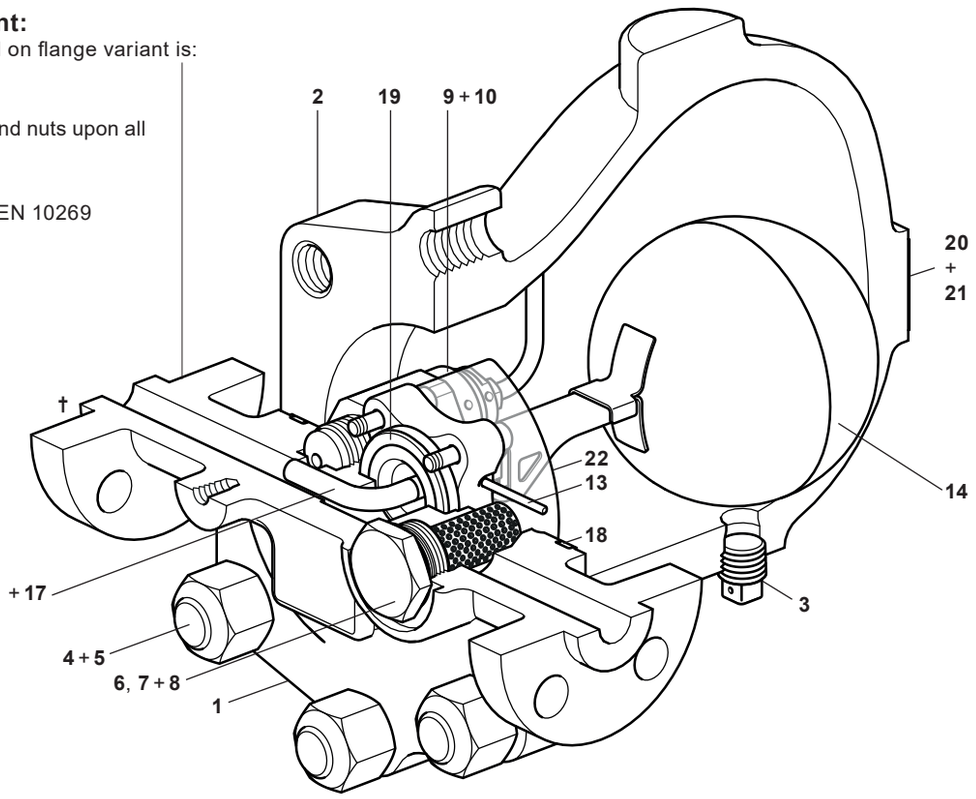
Steam traps
Ball float

Note for the PN100 variant:
† The material used for the weld on flange variant is: Carbon Steel 1.0460.

The material used for the studs and nuts upon all versions is:

- Studs = ASTM A193 B7
- Nuts = ASTM A194 Gr. 4 to EN 10269

11, **12**, **15**, **16**
* **Please note** that part numbers **11**, **12**, **15** and **16** are more clearly identified on the spares illustration on page 6.

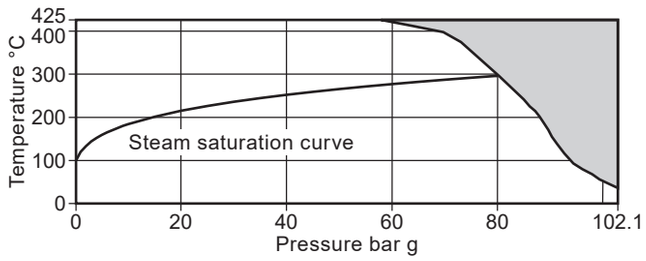


Materials

No.	Part	Material	
1	Body	Carbon steel	EN 10213 1.0619+N/ASTM A216 WCB
2	Cover		
3	⅜" NPT taper plug	Stainless steel	CF8 / 1.4308 or 1.4301 / 304
4	¾" UNF nut (x 6)	Carbon steel	ASTM A194 Gr. 7
5	¾" UNF studs x 85 mm long (x 6)	Carbon steel	ASTM A193 B7
6	Strainer cap	Stainless steel	CF8 / 1.4308 or 1.4301 / 304
7	Strainer screen	Stainless steel	AISI 316L
8	'S' type gasket	Stainless steel	AISI 304
9	Air vent assembly	Stainless steel	AISI 431 S29 + 303
10	Air vent tube	Stainless steel	ASTM A269 304L
11 *	Seat clamp	Stainless steel	CF8 / 1.4308 or AISI 303
12 *	M6 x 30 long cap screw (x 4)	Stainless steel	EN 150 3506-1
13	Pivot pin	Stainless steel	ASTM A276 304
14	Float assembly	Stainless steel	AISI 304L
15 *	½" Ø ball	Stainless steel	AISI 316
16 *	Conical spring	Stainless steel	Gr. 302 S26 Gr. 1
17	Valve seat and discharge pipe assembly	Stainless steel	AISI 431 S29 + 304L
18	Spirally wound gaskets Body to Cover and Seat to Body	Graphite filler + 304 stainless strip	
19			
20	Name-plate	Stainless steel	204
21	Hammer drive screws (x 2)	Stainless steel	18-8
22	Baffle plate	Stainless steel	304L

Pressure/temperature limits (ISO 6552)

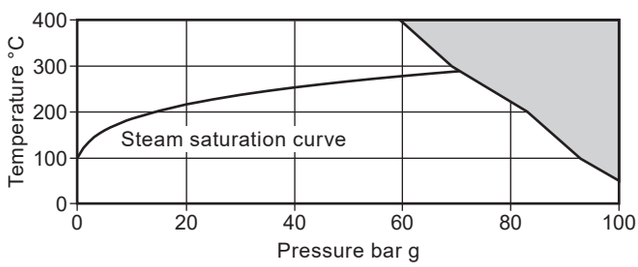
Screwed
Socket weld



The product must not be used in this region or beyond the parameter of the PMA or TMA of the relative end connection..

Body design condition			ASME Class 600
PMA	Maximum allowable pressure		102.1 bar g @ 38 °C
TMA	Maximum allowable temperature		425 °C @ 57.5 bar g
Minimum allowable temperature			-29 °C
PMO	Maximum operating pressure for saturated steam service		80 bar g @ 296 °C
TMO	Maximum operating temperature		425 °C @ 57.5 bar g
Minimum operating temperature **Note:** For lower operating temperatures consult Spirax Sarco			0 °C
Minimum operating differential pressure			0.1 bar g
ΔPMX	Maximum differential pressure	FTC62-46	46 bar
		FTC62-62	62 bar
Designed for a maximum cold hydraulic test pressure of:			153.2 bar g

Flanged
EN 1092
PN100



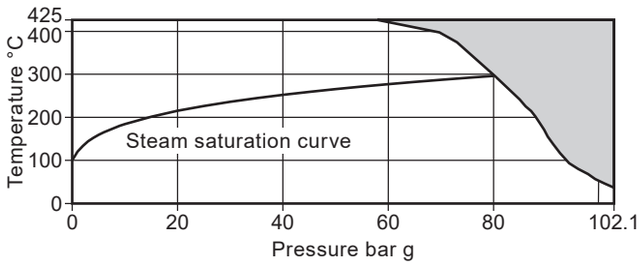
The product must not be used in this region or beyond the parameter of the PMA or TMA of the relative end connection.

Body design condition			PN100
PMA	Maximum allowable pressure		100 bar g @ 50 °C
TMA	Maximum allowable temperature		400 °C @ 59.5 bar g
Minimum allowable temperature			-10 °C
PMO	Maximum operating pressure for saturated steam service		70.8 bar g @ 287 °C
TMO	Maximum operating temperature		400 °C @ 59.5 bar g
Minimum operating temperature **Note:** For lower operating temperatures consult Spirax Sarco			0 °C
Minimum operating differential pressure			0.1 bar g
ΔPMX	Maximum differential pressure	FTC62-46	46 bar
		FTC62-62	62 bar
Designed for a maximum cold hydraulic test pressure of:			150 bar g

Steam traps
Ball float

Pressure/temperature limits (ISO 6552)

Flanged
ASME Class 600



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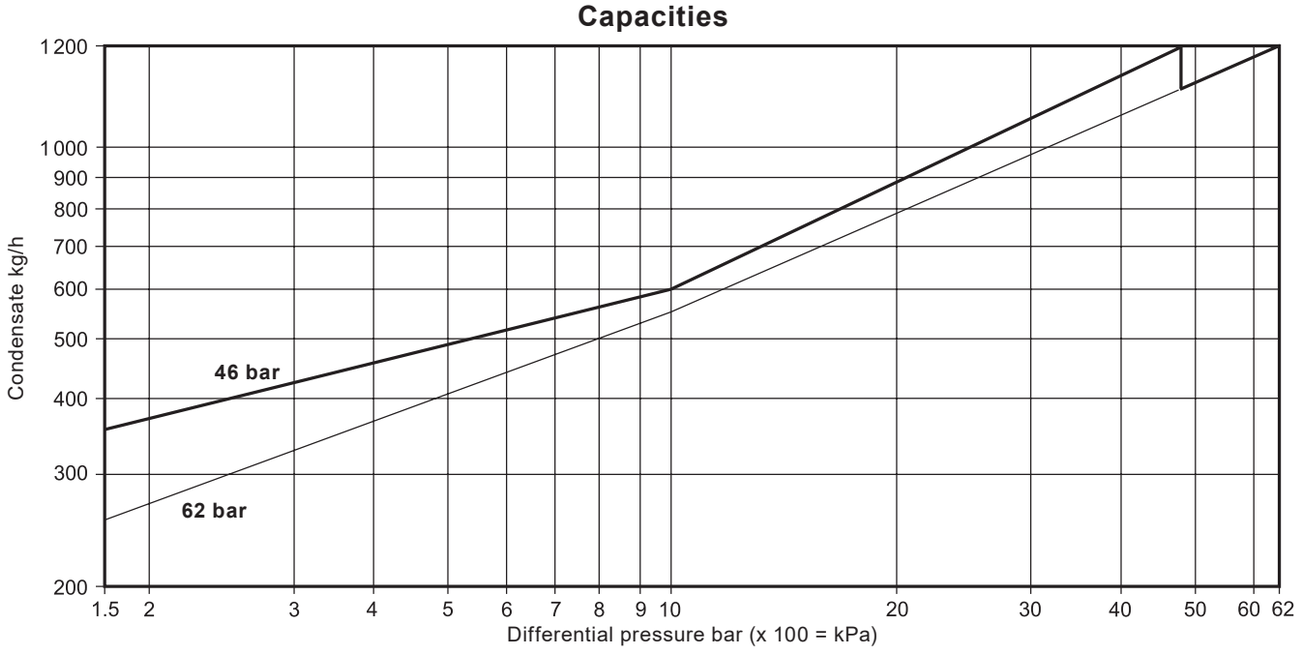
TMO	Maximum operating temperature		425 °C @ 57.5 bar g
Minimum operating temperature **Note:** For lower operating temperatures consult Spirax Sarco			0 °C
Minimum operating differential pressure			0.1 bar g
ΔPMX	Maximum differential pressure	FTC62-46	46 bar
		FTC62-62	62 bar
Designed for a maximum cold hydraulic test pressure of:			153.2 bar g

Capacities



Capacities shown above are based on condensate at saturation temperature. Under start-up conditions when condensate is cold the internal bi-metallic air vent will be open and provides additional capcaity to the main valve. **The following table gives the minimum additional cold water capacities from the air vent on all sizes.**

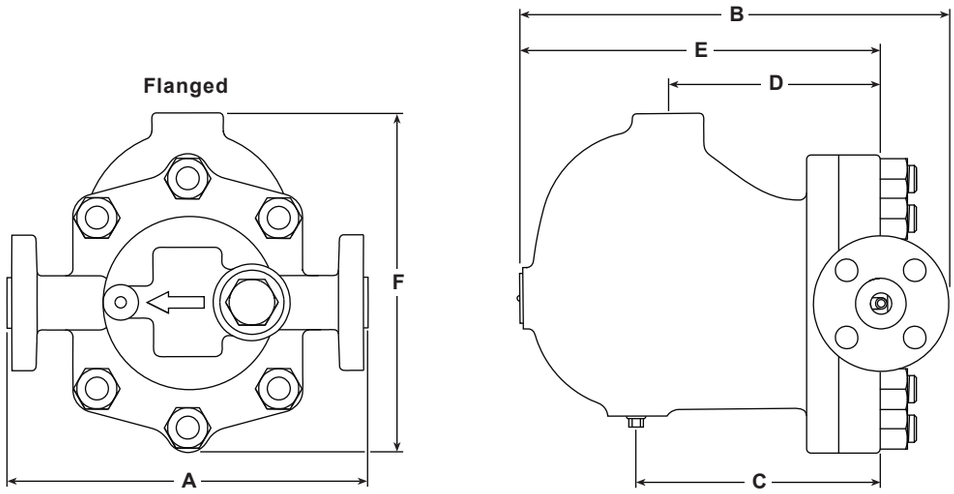
Note: The air vent closing temperature range = 120 °C to 135 °C.

For differential pressures less than 1.5 bar g, the additional cold water capacity is minimal.

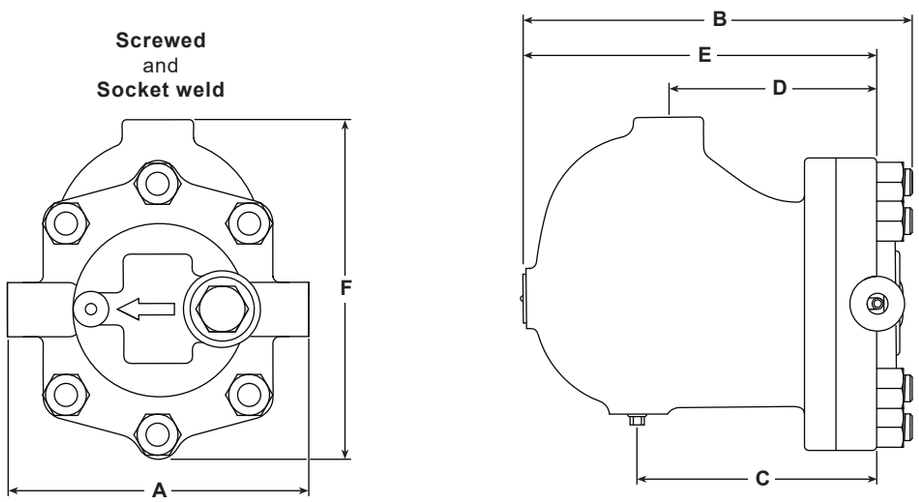
ΔP (bar)	1.5	10	30	46	62
FTC62	**Minimum additional cold water capacity (kg/h)**				
46 bar version	20	426	536	800	
62 bar version	20	350	440	930	800

Dimensions/weights (approximate) in mm and kg

Size	Flanged						Screwed and Socket weld			Common sizes			
	PN100			ASME 600									
	A	B	Weight	A	B	Weight	A	B	Weight	C	D	E	F
DN15	300	304.0	25.0	261	299	24.0	190	287.5	22.0	172.5	148	251.5	239
DN20	300	316.5	26.0	271	309	25.5	190	287.5	22.0	172.5	148	251.5	239
DN25	300	321.5	28.0	291	314	27.0	190	287.5	22.0	172.5	148	251.5	239



Notes: 1. PN100 EN 1092-1 and ASME 600 B 16.5 face-to-face dimensions



Safety information, installation and maintenance

For full details see the Installation and Maintenance Instructions (IM-P179-15) supplied with the product.

Installation note:
The FTC62 must be installed with the direction of flow as indicated on the body, and with the float arm in a horizontal plane so that it rises and falls vertically.

Disposal
This product is recyclable. No ecological hazard is anticipated with the disposal of this product, providing due care is taken.

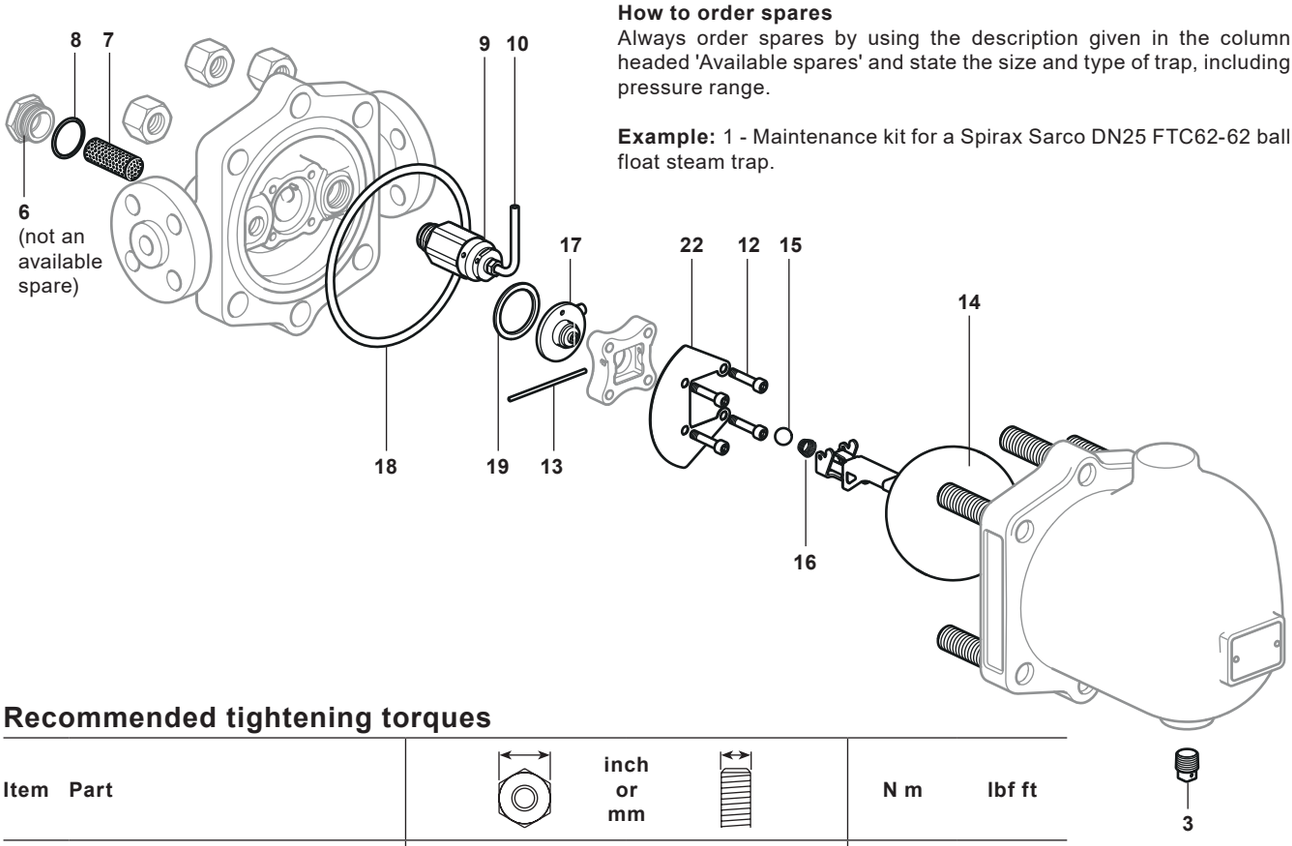
How to order

Example: 1 off Spirax Sarco DN25 FTC62-62 L-R ball float steam trap, flanged to EN 1092 PN100 with carbon steel body and cover and thermostatic air vent.

Steam traps
Ball float

Spare parts
The spare parts available are shown in solid outline. Parts drawn in a grey line are not supplied as spares.

Available spares		
Body/cover gasket kit		**18**
Air vent assembly + Air vent tube		**9** and **10**
Strainer screen + 'S' type gasket		**7** and **8**
Maintenance kit	⅜" NPT taper plug	**3**
	M6 x 30 long cap screw (x 4)	**12**
	Pivot pin	**13**
	Float assembly	**14**
	½" Ø ball	**15**
	Conical spring	**16**
	Valve seat and discharge pipe assembly	**17**
	'S' type gasket + Spirally wound gaskets	**8**, **18** and **19**
	Baffle plate	**22**
Overhaul kit		**3, 7, 8, 9, 10, 12, 13, 14, 15, 16, 17, 18, 19** and **22**



How to order spares
Always order spares by using the description given in the column headed 'Available spares' and state the size and type of trap, including pressure range.

Example: 1 - Maintenance kit for a Spirax Sarco DN25 FTC62-62 ball float steam trap.

Recommended tightening torques

Item	Part	inch or mm		N m	lbf ft
3	⅜" NPT Square head plug	11 mm A/F	⅜" NPT	As required	
4	¾" UNF Hex. Nut	1.125" A/F	¾" UNF	252-260	186-192
6	Strainer cap	32 mm A/F	M28 x 1.5	170-190	125-140
9	Air vent assembly	32 mm A/F	M22 x 1.5	80-88	59-65
10	Air vent tube assembly	11 mm A/F	M10 x 1.5	10-12	7-9
12	M6 x 30 Socket head cap screw	5 mm A/F (Hex Key)	M6	14-16	10-12

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