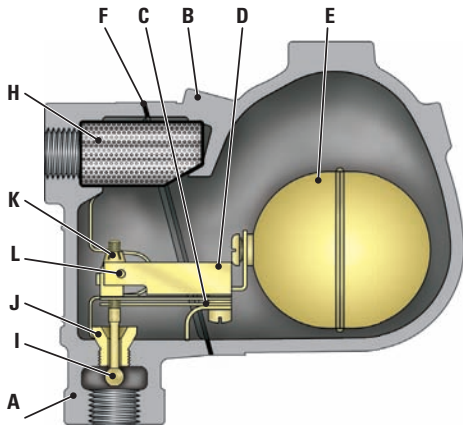


VELAN MONOVALVE FLOAT BIMETALLIC STEAM TRAPS



STANDARD MATERIALS

PART	MATERIALS
A	Body Cast iron Gr.250
B	Cover Same as body material
C	Bimetal element Truflex GB-14
D	Bimetal holder Stainless steel
E	Float Stainless steel
F	Cover gasket Stainless steel with non-asbestos filler
G	Cover screw High tensile steel Gr. S
H	Strainer Stainless steel
I	Stem and ball Stainless steel, ball 58Rc
J	Seat SS hardfaced with Stellite 6
K	Self lock adjusting nut Stainless steel
L	Pivot plug Stainless steel

NOTE: Part 'G' is not shown for clarity

APPLICATIONS

Where positive drainage is essential and condensate back-up cannot be tolerated.

- Unit heaters,
- Laundry presses,
- Calorifiers,
- Ironers,
- Calenders,
- Drying cylinders and other applications where condensate has to be discharged at near steam temperature.

Type MFT0

ENGINEERING DATA

PRESSURE RANGE (1) psi/bar	PMO psi/bar	MATERIAL	MAX TEMP °F/°C	ORIFICE in/mm	MAX CAPACITY lb/hr/kg/hr
0-125 0-8.5	125 8.5	CAST IRON Gr.250	428 220	7/32 5.5	1,650 750

(1) Pressure range indicated in the above table is the preferred operating range, however the trap is functional from 0psi to its maximum operating pressure.

PMA = Maximum allowable pressure: 260psi@100°F (18bar.g@38°C)

TMA = Maximum allowable temperature: 428°F (220°C)

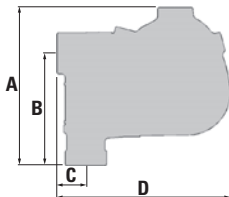
Maximum cold hydrostatic test pressure: 400psi.g (27.5bar)

TMO = Maximum operating temperature = TMA

PMO = Maximum operating pressure: (See Table)

CONNECTIONS

- Screwed

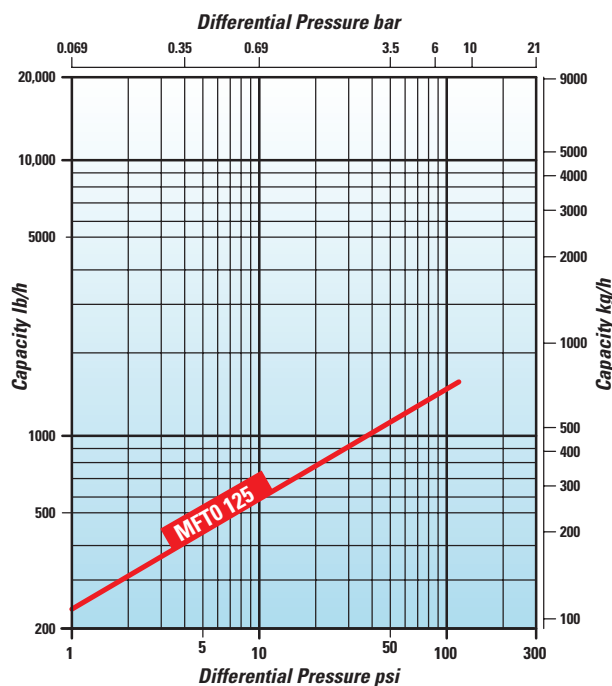


DIMENSIONS & WEIGHTS

SIZE in/mm	A HEIGHT	B(1) CENTER TO FACE	C(2) CENTER TO TOP	D LENGTH	WEIGHT lb/kg
1/2 15	3/4 20	6 1/8 156	4 3/8 111	1 1/8 29	8.75 4

(1) Center of inlet to outlet face (2) Center of outlet to inlet face

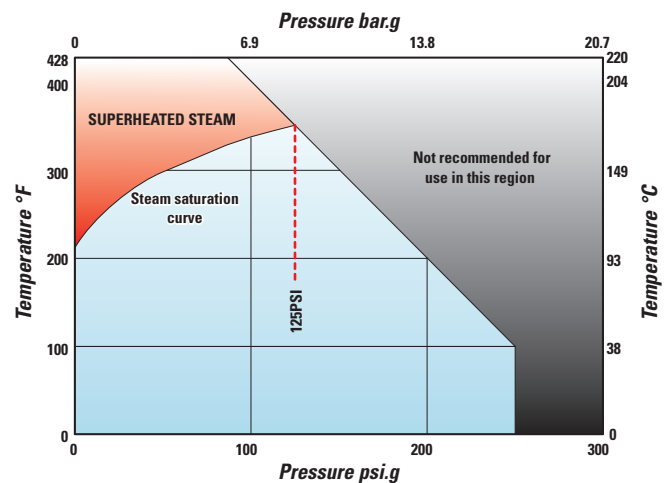
CONDENSATE CAPACITY



Maximum cold water capacity x 3.5

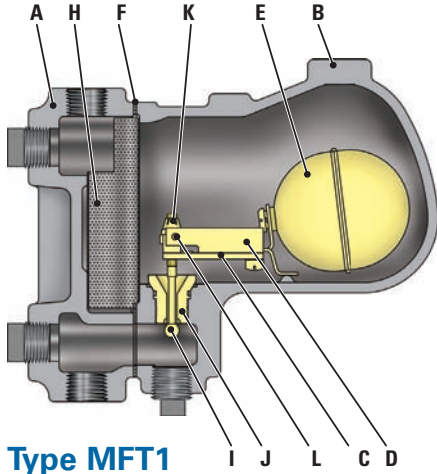
The performance graph indicates the continuous discharge capacities of condensate per hour at various pressure differentials across the trap.

PRESSURE / TEMPERATURE LIMITS



----- Pressure limit for trap type

VELAN MONOVALVE FLOAT BIMETALLIC STEAM TRAPS



STANDARD MATERIALS

PART	MATERIALS
A	Body Cast iron Gr.250
B	Cover Same as body material
C	Bimetal element Truflex GB-14
D	Bimetal holder Stainless steel
E	Float Stainless steel
F	Cover gasket Stainless steel with non-asbestos filler
G	Cover screw High tensile steel Gr. S
H	Strainer Stainless steel
I	Stem and ball Stainless steel, ball 58Rc
J	Seat SS hardfaced with Stellite 6
K	Self lock adjusting nut Stainless steel
L	Pivot plug Stainless steel

NOTE: Part 'G' is not shown for clarity.

APPLICATIONS

Where positive drainage is essential and condensate back-up cannot be tolerated.

- Unit heaters,
- Laundry presses,
- Calorifiers,
- Ironers,
- Calenders,
- Drying cylinders and other applications where condensate has to be discharged at near steam temperature.

CONNECTIONS

- Screwed

Type MFT1

ENGINEERING DATA

PRESSURE RANGE (1) psi/bar	PMO psi / bar	MATERIAL	MAX TEMP °F/°C	ORIFICE in/mm	MAX CAPACITY lb/hr/kg/hr
0-15 0-1	15 1	CAST IRON Gr.250	428 220	3/8 9.5	3,250 1,477
15-50 1-3.5	50 3.5			7/32 5.5	1,250 568
50-125 3.5-8.5	125 8.5				1,700 772

PMA = Maximum allowable pressure: 260psi@100°F (18bar.g@38°C)

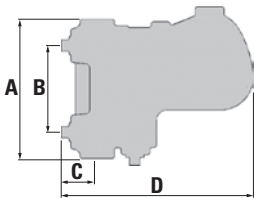
TMA = Maximum allowable temperature: 428°F (220°C)

Maximum cold hydrostatic test pressure: 400psi.g (27.5bar)

TMO = Maximum operating temperature = TMA

PMO = Maximum operating pressure: (See Table)

(1) Pressure range indicated in the above table is the preferred operating range, however the trap is functional from 0psi to its maximum operating pressure.

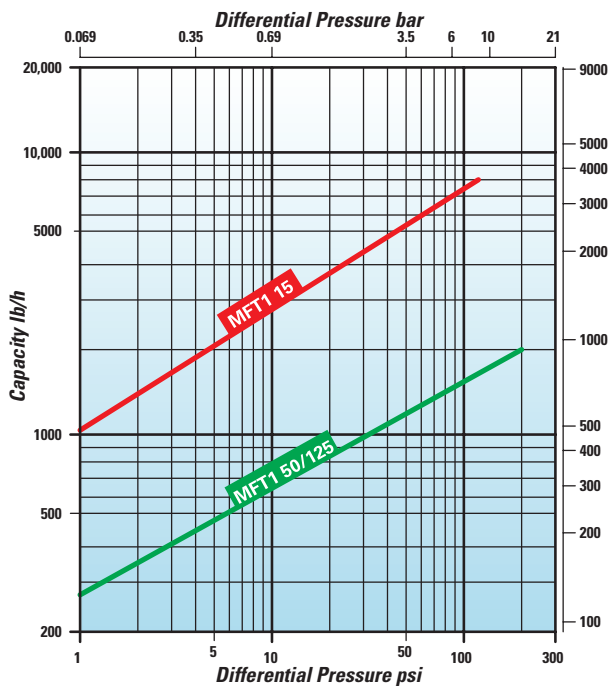


DIMENSIONS & WEIGHTS

SIZE in/mm			A(1) FACE TO FACE	B(2) CENTER TO CENTER	C(3) CENTER TO FACE	D LENGTH	WEIGHT lb/kg
1/2 15	3/4 20	1 25	6 5/8 168	3 15/16 100	1 3/8 35	8 5/16 211	12 5.5

(1) Vertical connection. (2) Horizontal connection. (3) Center of vertical outlet to face of horizontal outlet.

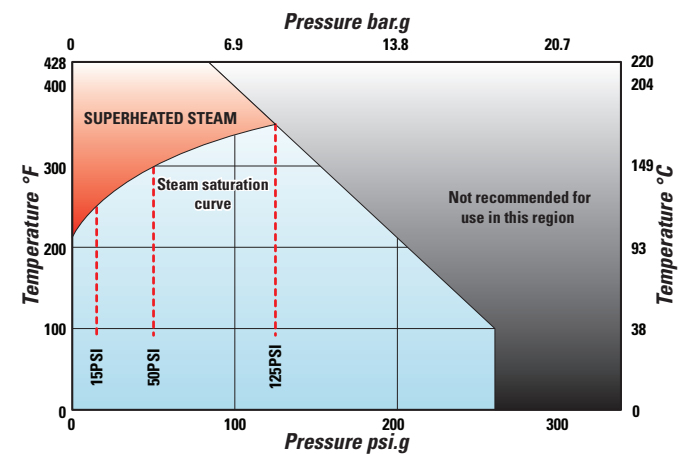
CONDENSATE CAPACITY



Maximum cold water capacity x 3.5

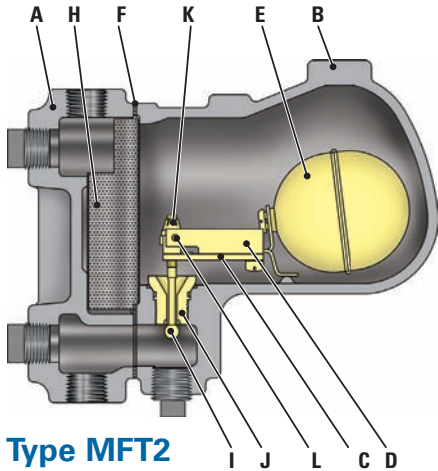
The performance graph indicates the continuous discharge capacities of condensate per hour at various pressure differentials across the trap.

PRESSURE / TEMPERATURE LIMITS



----- Pressure limit for trap type

VELAN MONOVALVE FLOAT BIMETALLIC STEAM TRAPS



Type MFT2

STANDARD MATERIALS

PART	MATERIALS
A	Body Cast iron Gr.250
B	Cover Same as body material
C	Bimetal element Truflex GB-14
D	Bimetal holder Stainless steel
E	Float Stainless steel
F	Cover gasket Stainless steel with non-asbestos filler
G	Cover screw High tensile steel Gr. S
H	Strainer Stainless steel
I	Stem and ball Stainless steel, ball 58Rc
J	Seat SS hardfaced with Stellite 6
K	Self lock adjusting nut Stainless steel
L	Pivot plug Stainless steel

NOTE: Part 'G' is not shown for clarity.

APPLICATIONS

Where positive drainage is essential and condensate back-up cannot be tolerated.

- Unit heaters,
- Laundry presses,
- Calorifiers,
- Ironers,
- Calenders,
- Drying cylinders and other applications where condensate has to be discharged at near steam temperature.

CONNECTIONS

- Screwed

ENGINEERING DATA

PRESSURE RANGE ⁽¹⁾ psi/bar	PMO psi/bar	MATERIAL	MAX TEMP °F/°C	ORIFICE in/mm	MAX CAPACITY lb/hr/kg/hr
0-15 0-1	15 1	CAST IRON Gr.250	428 220	1/2 12.7	7,000 3,182
15-50 1-3.5	50 3.5			5/16 8	3,200 1,455
50-125 3.5-8.5	125 8.5			1/4 6.4	2,600 1,182
125-200 8.5-14	200 14			7/32 5.5	2,000 909

PMA = Maximum allowable pressure: 260psi@100°F (18bar.g@38°C)

TMA = Maximum allowable temperature: 428°F (220°C)

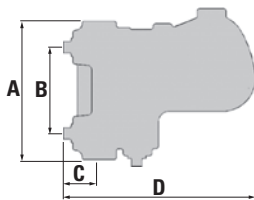
Maximum cold hydrostatic test pressure: 400psi.g (27.5bar)

TMO = Maximum operating temperature = TMA

PMO = Maximum operating pressure: See Table

(1) Pressure range indicated in the above table is the preferred operating range, however the trap is functional from 0psi to its maximum operating pressure.

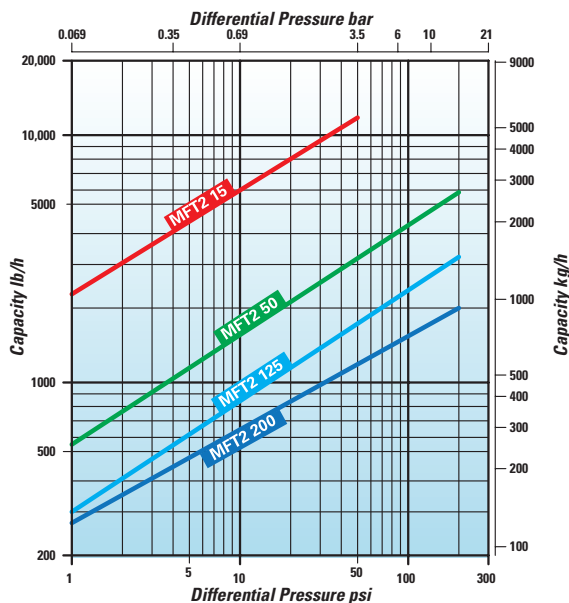
DIMENSIONS & WEIGHTS



SIZE in/mm	A ⁽¹⁾ FACE TO FACE	B ⁽²⁾ CENTER TO CENTER	C ⁽³⁾ CENTER TO FACE	D LENGTH	WEIGHT lb/kg
3/4 1	7 11/16	4 3/4	1 7/16	9 3/8	15
20 25	195	121	37	238	7
1 1/4 1 1/2	8	4 1/2	1 3/4	10 3/8	17
32 40	203	114	44	264	8

(1) Vertical connection. (2) Horizontal connection. (3) Center of vertical outlet to face of horizontal outlet.

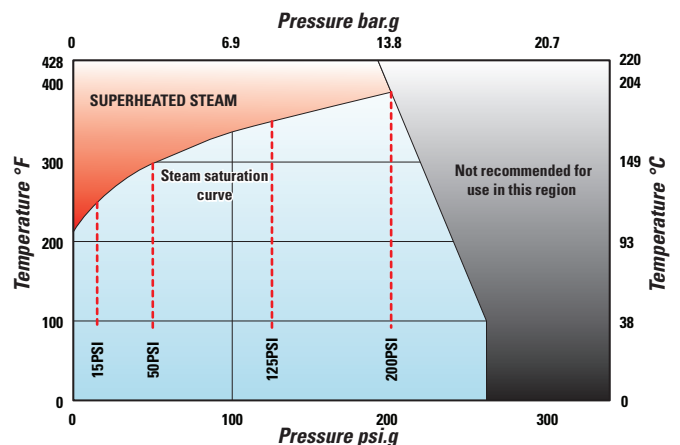
CONDENSATE CAPACITY



Maximum cold water capacity x 3.5

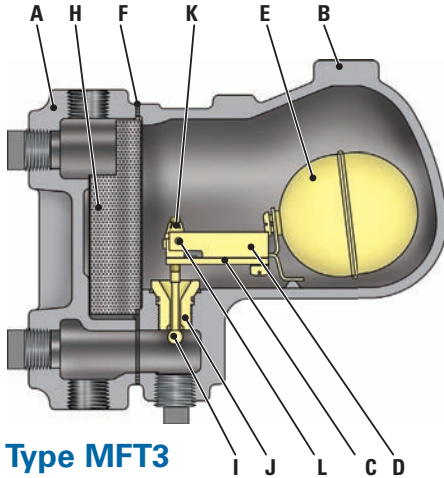
The performance graph indicates the continuous discharge capacities of condensate per hour at various pressure differentials across the trap.

PRESSURE / TEMPERATURE LIMITS



----- Pressure limit for trap type

VELAN MONOVALVE FLOAT BIMETALLIC STEAM TRAPS



Type MFT3

STANDARD MATERIALS

PART	MATERIALS
A	Body Cast iron Gr.250
B	Cover Same as body material
C	Bimetal element Truflex GB-14
D	Bimetal holder Stainless steel
E	Float Stainless steel
F	Cover gasket Stainless steel with non-asbestos filler
G	Cover screw High tensile steel Gr. S
H	Strainer Stainless steel
I	Stem and ball Stainless steel, ball 58Rc
J	Seat SS hardfaced with Stellite 6
K	Self lock adjusting Nut Stainless steel
L	Pivot plug Stainless steel

NOTE: Part 'G' is not shown for clarity

APPLICATIONS

Where positive drainage is essential and condensate back-up cannot be tolerated.

- Unit heaters,
- Laundry presses,
- Calorifiers,
- Ironers,
- Calenders,
- Drying cylinders and other applications where condensate has to be discharged at near steam temperature.

CONNECTIONS

- Screwed

ENGINEERING DATA

PRESSURE RANGE (1) psi/bar	PMO psi/bar	MATERIAL	MAX TEMP °F/°C	ORIFICE in/mm	MAX CAPACITY lb/hr/kg/hr
0-15 0-1	15 1	CAST IRON Gr.250	428 220	5/8 16	12,000 5,455
15-50 1-3.5	50 3.5			7/16 11	8,000 3,636
50-125 3.5-8.5	125 8.5			5/16 8	4,500 2,045
125-200 8.5-14	200 14			1/4 6.4	3,200 1,455

PMA = Maximum allowable pressure: 260psi@100°F (18bar.g@38°C)

TMA = Maximum allowable temperature: 428°F (220°C)

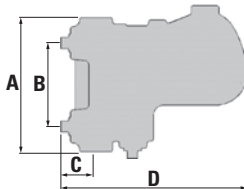
Maximum cold hydrostatic test pressure: 400psi.g (27.5bar)

TMO = Maximum operating temperature = TMA

PMO = Maximum operating pressure: (See Table)

(1) Pressure range indicated in the above table is the preferred operating range, however the trap is functional from 0psi to its maximum operating pressure.

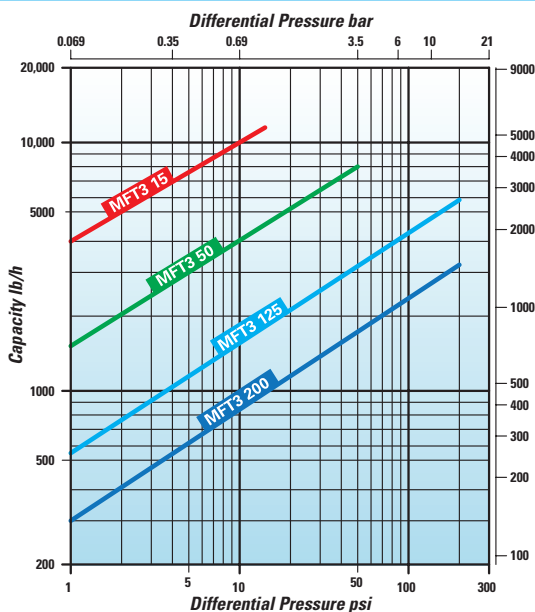
DIMENSIONS & WEIGHTS



SIZE in/mm	A (1) FACE TO FACE	B(2) CENTER TO CENTER	C(3) CENTER TO FACE	D LENGTH	WEIGHT lb/kg
1 1/2 40	9 229	5 1/2 140	1 3/4 44	12 3/4 324	33 15
2 50	10 1/4 260	5 5/8 143	2 1/4 57	13 1/2 343	35 16

(1) vertical connection (2) horizontal connection (3) Center of vertical outlet to face of horizontal outlet

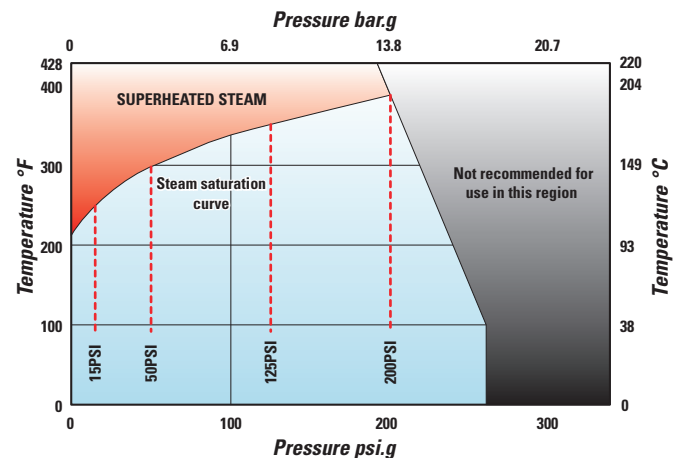
CONDENSATE CAPACITY



Maximum cold water capacity x 3.5

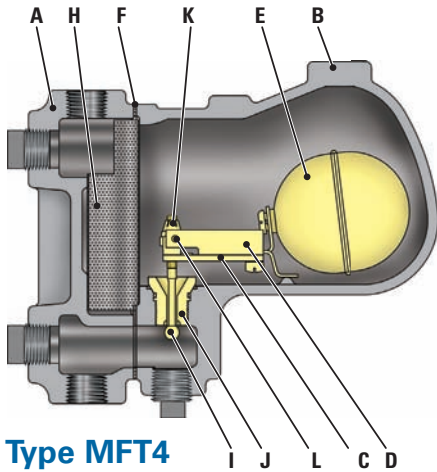
The performance graph indicates the continuous discharge capacities of condensate per hour at various pressure differentials across the trap.

PRESSURE / TEMPERATURE LIMITS



----- Pressure limit for trap type

VELAN MONOVALVE FLOAT BIMETALLIC STEAM TRAPS



Type MFT4

STANDARD MATERIALS

PART	MATERIALS	
A	Body	Cast iron Gr.250
B	Cover	Same as body material
C	Bimetal element	Truflex GB-14
D	Bimetal holder	Stainless steel
E	Float	Stainless steel
F	Cover gasket	Stainless steel with non-asbestos filler
G	Cover screw	High tensile steel Gr. S
H	Strainer	Stainless steel
I	Stem and ball	Stainless steel, ball 58Rc
J	Seat	SS hardfaced with Stellite 6
K	Self lock adjusting nut	Stainless steel
L	Pivot plug	Stainless steel

NOTE: Part 'G' is not shown for clarity

APPLICATIONS

Where positive drainage is essential and condensate back-up cannot be tolerated.

- Unit heaters,
- Laundry presses,
- Calorifiers,
- Ironers,
- Calenders,
- Drying cylinders and other applications where condensate has to be discharged at near steam temperature.

CONNECTIONS

- Screwed

ENGINEERING DATA

PRESSURE RANGE ⁽¹⁾ psi/bar	PMO psi/bar	MATERIAL	MAX TEMP °F/°C	ORIFICE in/mm	MAX CAPACITY lb/hr/kg/hr
0-15 0-1	15 1	CAST IRON Gr.250	428 220	3/4 19	17,500 7,955
15-50 1-3.5	50 3.5			1/2 12.7	12,000 5,455
50-125 3.5-8.5	125 8.5			3/8 9.5	8,000 3,636
125-200 8.5-14	200 14			5/16 8	5,800 2,636

PMA = Maximum allowable pressure: 260psi@100°F (18bar.g@38°C)

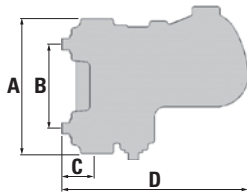
TMA = Maximum allowable temperature: 428°F (220°C)

Maximum cold hydrostatic test pressure: 400psi.g (27.5bar)

TMO = Maximum operating temperature = TMA

PMO = Maximum operating pressure: (See Table)

(1) Pressure range indicated in the above table is the preferred operating range, however the trap is functional from 0psi to its maximum operating pressure.

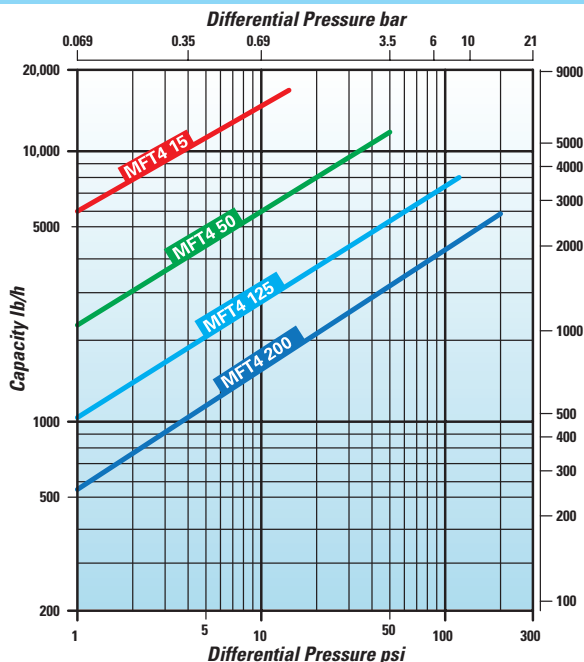


DIMENSIONS & WEIGHTS

SIZE in/mm	A (1) FACE TO FACE	B(2) CENTER TO CENTER	C(3) CENTER TO FACE	D LENGTH	WEIGHT lb/kg
2 50	11 279	6 1/2 165	2 1/4 57	14 1/2 368	51 23

(1) vertical connection (2) horizontal connection (3) Center of vertical outlet to face of horizontal outlet

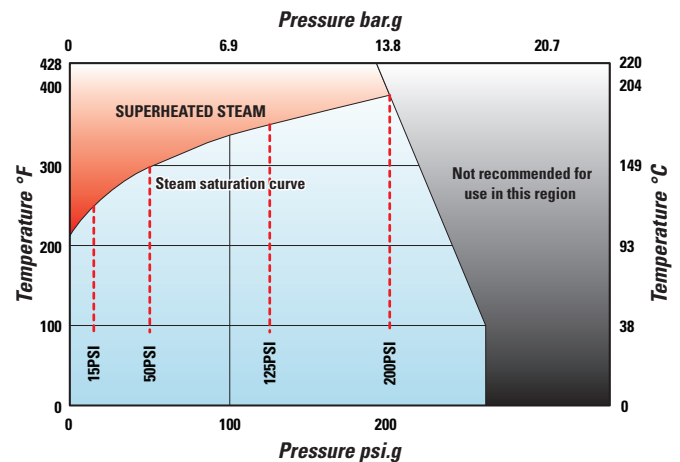
CONDENSATE CAPACITY



Maximum cold water capacity x 3.5

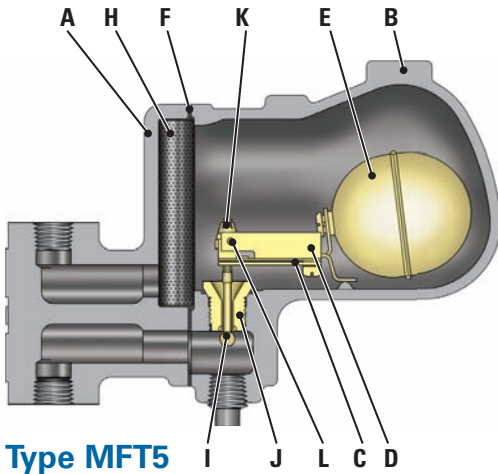
The performance graph indicates the continuous discharge capacities of condensate per hour at various pressure differentials across the trap.

PRESSURE / TEMPERATURE LIMITS



----- Pressure limit for trap type

VELAN MONOVALVE FLOAT BIMETALLIC STEAM TRAPS



Type MFT5

STANDARD MATERIALS

PART	MATERIALS	
A	Body	Cast iron Gr.250
B	Cover	Same as body material
C	Bimetal element	Truflex GB-14
D	Bimetal holder	Stainless steel
E	Float	Stainless steel
F	Cover gasket	Stainless steel with non-asbestos filler
G	Cover screw	High tensile steel Gr. S
H	Strainer	Stainless steel
I	Stem and ball	Stainless steel, ball 58Rc
J	Seat	SS hardfaced with Stellite 6
K	Self lock adjusting nut	Stainless steel
L	Pivot plug	Stainless steel

NOTE: Part 'G' is not shown for clarity

APPLICATIONS

Where positive drainage is essential and condensate back-up cannot be tolerated.

- Unit heaters,
- Laundry presses,
- Calorifiers,
- Ironers,
- Calenders,
- Drying cylinders and other applications where condensate has to be discharged at near steam temperature.

ENGINEERING DATA

PRESSURE RANGE psi/bar (1)	PMO psi/bar	MATERIAL	MAX TEMP °F/°C	ORIFICE in/mm	MAX CAPACITY lb/hr/kg/hr
0-15 0-1	15 1	CAST IRON Gr.250	428 220	3/8 9.5	3,300 1,477
15-50 1-3.5	50 3.5			7/32 5.5	1,250 568
50-125 3.5-8.5	125 8.5			7/32 5.5	1,700 772

PMA = Maximum allowable pressure: 260psi@100°F (18bar.g@38°C)

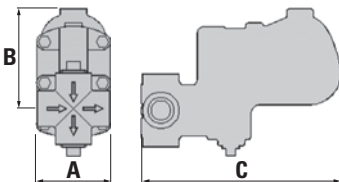
TMA = Maximum allowable temperature: 428°F (220°C)

Maximum cold hydrostatic test pressure: 400psi.g (27.5bar)

TMO = Maximum operating temperature = TMA

PMO = Maximum operating pressure: (See Table)

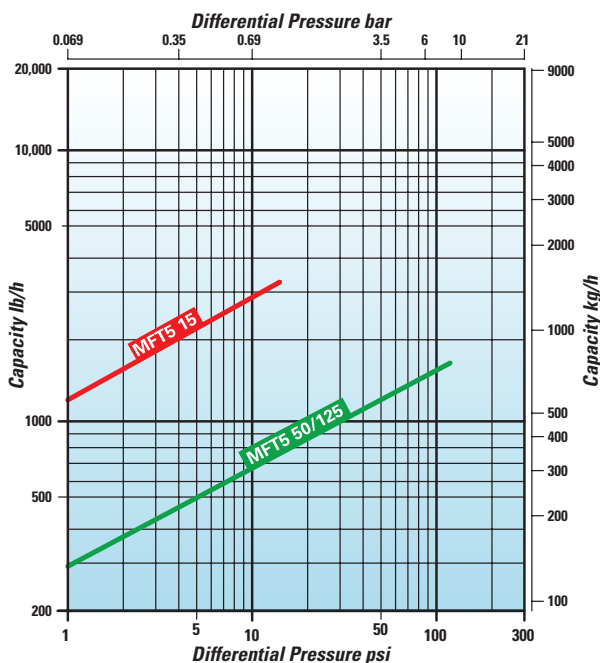
(1) Pressure range indicated in the above table is the preferred operating range, however the trap is functional from 0psi to its maximum operating pressure.



DIMENSIONS & WEIGHTS

SIZE in/mm			A FACE TO FACE SCR	B CENTER TO TOP	C LENGTH	WEIGHT lb/kg SCR
1/2 15	3/4 20	1 25	3 11/16 94	5 1/4 133	9 1/4 235	12 5.5

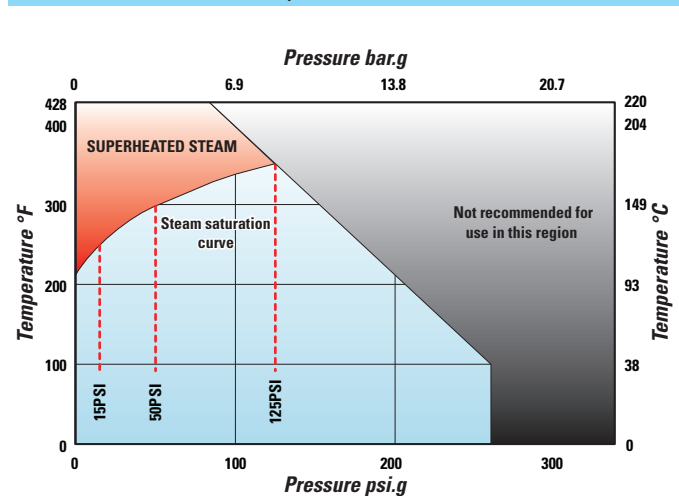
CONDENSATE CAPACITY



Maximum cold water capacity x 3.5

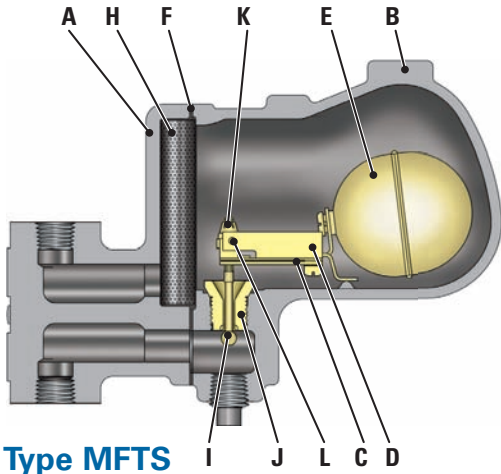
The performance graph indicates the continuous discharge capacities of condensate per hour at various pressure differentials across the trap.

PRESSURE / TEMPERATURE LIMITS



----- Pressure limit for trap type

VELAN MONOVALVE FLOAT BIMETALLIC STEAM TRAPS



Type MFTS

STANDARD MATERIALS

PART		MATERIALS
A	Body	Cast steel WCB
B	Cover	Same as body material
C	Bimetal element	Truflex GB-14
D	Bimetal holder	Stainless steel
E	Float	Stainless steel
F	Cover gasket	Stainless steel with non-asbestos filler
G	Cover screw	Chrome Moly Alloy B7
H	Strainer	Stainless steel
I	Stem and ball	Stainless steel, ball 58Rc
J	Seat	SS hardfaced with Stellite 6
K	Self lock adjusting nut	Stainless steel
L	Pivot plug	Stainless steel

NOTE: Part 'G' is not shown for clarity

APPLICATIONS

Where positive drainage is essential and condensate back-up cannot be tolerated.

- Unit heaters,
- Laundry presses,
- Calorifiers,
- Ironers,
- Calenders,
- Drying cylinders and other applications where condensate has to be discharged at near steam temperature.

ENGINEERING DATA

PRESSURE RANGE psi/bar (1)	PMA psi/bar	MATERIAL	MAX TEMP °F/°C	ORIFICE in/mm	MAX CAPACITY lb/hr/kg/hr
0-150 0-10.5	150 10.5	CAST CARBON STEEL WCB	650 343	5/16 8	4,200 1,909
150-230 10.5-16	230 16			7/32 5.5	1,900 863
230-300 16-21	300 21			7/32 5.5	2,100 955

PMA = Maximum allowable pressure: 320psi@100°F (22bar.g@38°C)

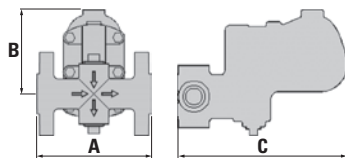
TMA = Maximum allowable temperature: 650°F (343°C)

Maximum cold hydrostatic test pressure: 600psi.g (41bar)

TMO = Maximum operating temperature = TMA

PMO = Maximum operating pressure: (See Table)

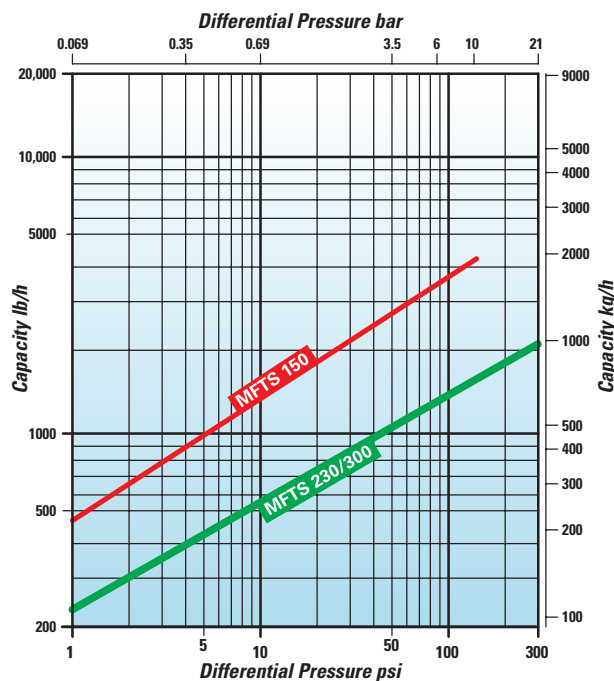
(1) Pressure range indicated in the above table is the preferred operating range, however the trap is functional from 0psi to its maximum operating pressure.



DIMENSIONS & WEIGHTS

SIZE in/mm	A FACE TO FACE			B CENTER TO TOP	C LENGTH	WEIGHT lb/kg				
	SCR/SW	BW	FLG			SCR/SW	BW	FLG		
1/2 15	3/4 20	1 25	6 1/8 156	9 11/16 246	6 152	5 1/4 133	9 1/4 235	18 8	20 9	30 14

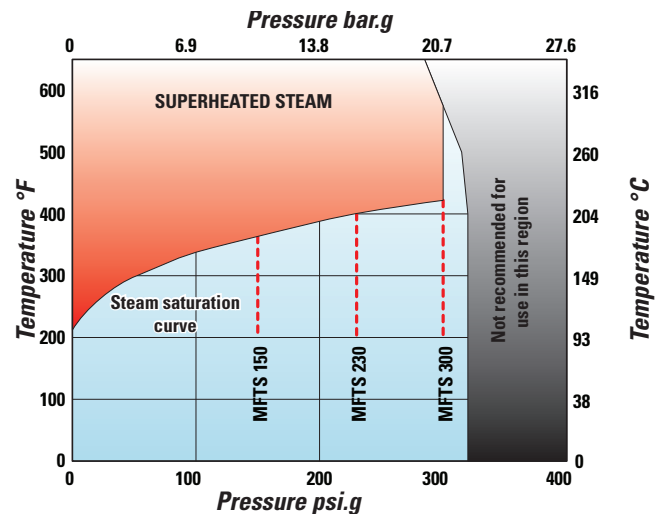
CONDENSATE CAPACITY



Maximum cold water capacity x 3.5

The performance graph indicates the continuous discharge capacities of condensate per hour at various pressure differentials across the trap.

PRESSURE / TEMPERATURE LIMITS



----- Pressure limit for trap type