



# COMPRESSED AIR TRAPS

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**DOUGLAS ITALIA**



# **COMPRESSED AIR TRAPS**

**LK**

**GT**

**GV**

**GZ**

**GX WCB**

**GX CF8M**

**GY WCB**

**GY CF8M**

**GK WCB**

**GK CF8M**

**GO BACK**



DOUGLAS ITALIA S.p.A.

BALL FLOAT  
COMPRESSED AIR TRAPS  
**LK**

## DESCRIPTION

A range of float operated traps for draining water from compressed air lines.  
Applications on aftercoolers, separators, compressed air mains.



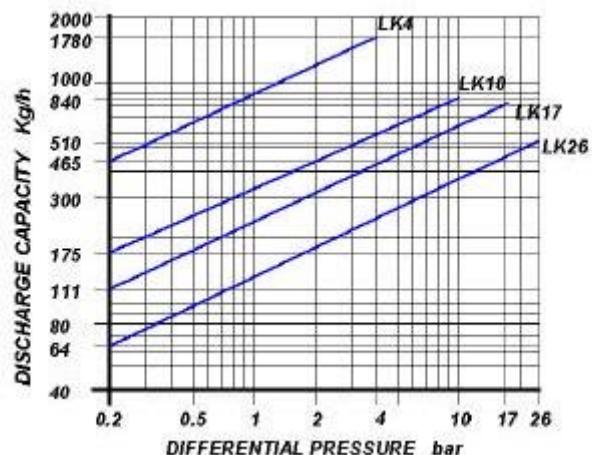
## MAIN FEATURES

Direct-acting float valve permits continuous drainage of water under changing conditions of inlet pressure and load. Because valve is under water during operation, air leakage is eliminated. Properly located it will assure a supply of dry compressed air.

## OPERATION

Water entering the trap lifts the float and opens the discharge valve. This adjusts the valve opening so that there is a continuous flow of water through the trap. There are no pressure fluctuations as the trap opens and closes.

## DISCHARGE CAPACITY



Safety factor = 1.2 – 1.5

## SIZES

1/2" – 3/4"

## CONNECTIONS

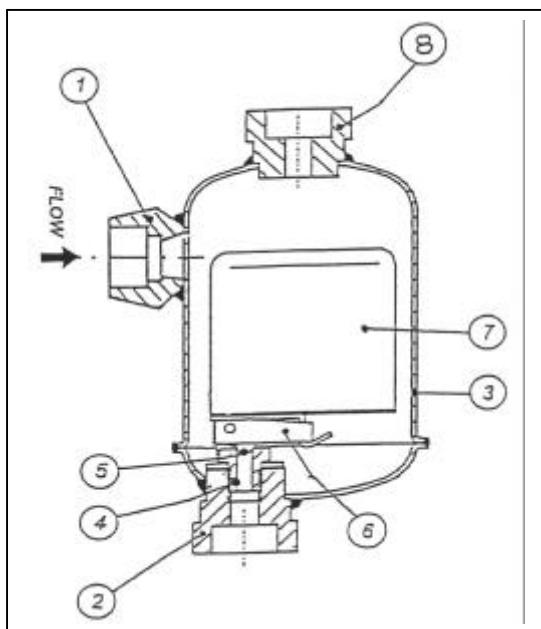
Screwed	BS 21 (BSP) / ANSI B1.20.1 (NPT)
Socket weld	ANSI B 16.11
Flanged	ANSI B 16.5 / UNI/DIN

## LIMITING CONDITIONS (according to ISO 6552)

Steam Trap rating	ANSI 300
PMA: Max allowable pressure	50 bar
TMA: max allowable temperature	500°C
PMO: max working pressure	26 bar
TMO: max working temperature	380°C
Minimum liquid specific weight	0.6 Kg/dm3
Max. Differential pressure (LK 4)	4 bar
Max. Differential pressure (LK 10)	10 bar
Max. Differential pressure (LK 17)	17 bar
Max. Differential pressure (LK 26)	26 bar

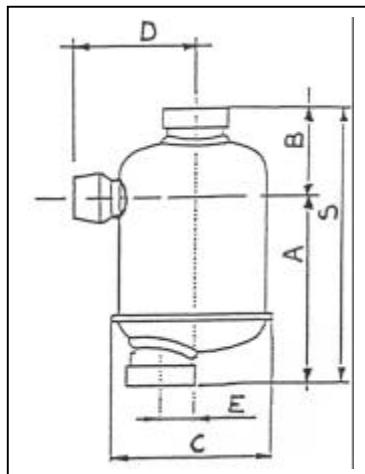
## COMPRESSED AIR BALL FLOAT TRAPS

# LK



POS.	DESCRIPTION	MATERIALS	SPARES
1	Inlet coupling	AISI 304	
2	Outlet coupling	AISI 304	
3	Body	AISI 304	
4	Seat	AISI 410	
5	Valve	AISI 410	
6	Lever	AISI 304	
7	Float	AISI 304	
8	Equalizing connection	AISI 304	

Size (inches)	S	A	B	C	D	E	Weight (Kg)
1/2"	144	89	55	76	61	16	1.2
3/4"	159	97	62	76	62	16	1.4



### INSTALLATION

The trap must be installed with the body upright so that the float rises and falls vertically. The inlet should be at the bottom with the trap installed above the drain point.

**How to order: i.e. LK 17 1/2" BSP**

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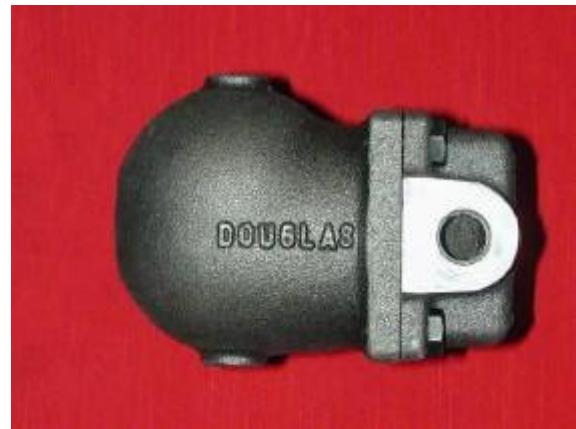


DOUGLAS ITALIA S.p.A.

**BALL FLOAT  
COMPRESSED AIR TRAPS  
GT**

## DESCRIPTION

A range of float operated traps for draining water from compressed air lines.  
Applications on aftercoolers, separators, compressed air mains.



## MAIN FEATURES

Direct-acting float valve permits continuous drainage of water under changing conditions of inlet pressure and load. Because valve is under water during operation, air leakage is eliminated. Properly located it will assure a supply of dry compressed air.

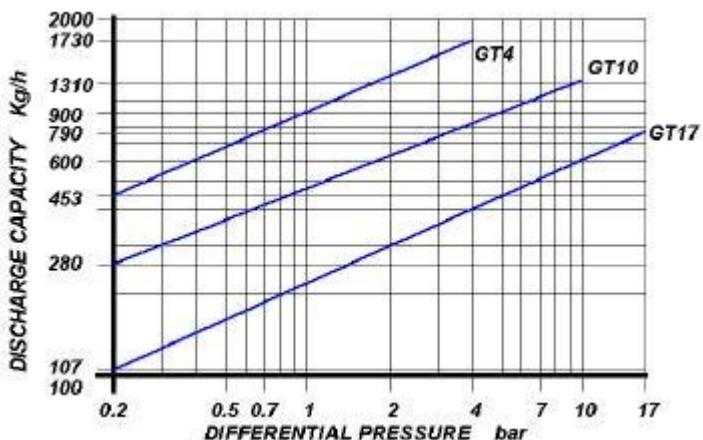
## OPERATION

Water entering the trap lifts the float and opens the discharge valve. This adjusts the valve opening so that there is a continuous flow of water through the trap. There are no pressure fluctuations as the trap opens and closes.

## NOTE

An equalizing line should be installed. This will equalize the pressure to the trap, eliminate gas binding and permit a smooth uninterrupted flow of condensate to the trap, the equalizing line connection to the tank must be above the level of any possible accumulation of condensate.

## DISCHARGE CAPACITY



Safety factor = 1.2 – 1.5

## SIZES

1/2" – 3/4"

## CONNECTIONS

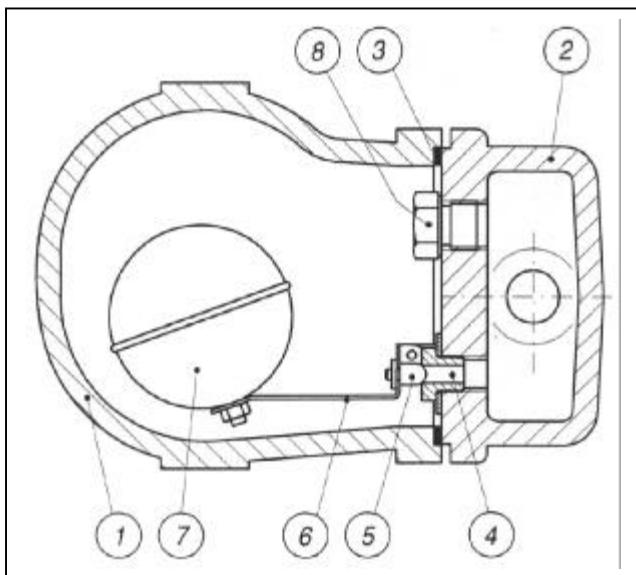
Screwed	BS 21 (BSP)
Flanged (ON REQUEST)	ANSI B 16.5 / UNI / DIN

## LIMITING CONDITIONS (according to ISO 6552)

Steam Trap rating	DIN PN 25
PMA: Max allowable pressure	25 bar
TMA: max allowable temperature	300°C
PMO: max working pressure	17 bar
TMO: max working temperature	250°C
Max. Differential pressure (GT 4)	4 bar
Max. Differential pressure (GT 10)	10 bar
Max. Differential pressure (GT 17)	17 bar

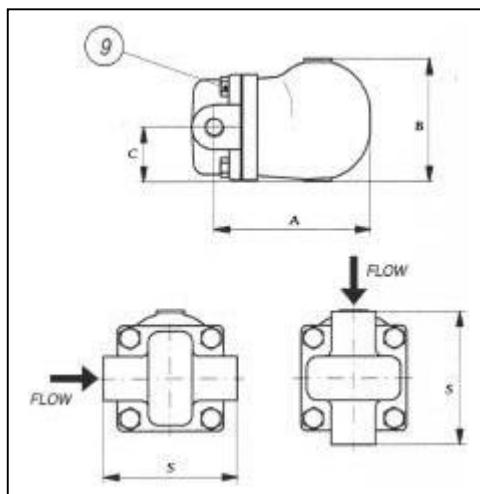
## COMPRESSED AIR BALL FLOAT TRAPS

### GT



POS.	DESCRIPTION	MATERIALS	SPARES
1	Body	GGG40 (DIN 1693)	
2	Cover	GGG40 (DIN 1693)	
3	Gasket	CAF	X
4	Seat	AISI 410	X
5	Valve	AISI 410	X
6	Lever	AISI 304	X
7	Ball float	AISI 304	X
8	Plug	STAINLESS STEEL	
9	Bolts	8.8 (UNI 3740-74)	

Size (inches)	S	A	B	C	Weight (Kg)
1/2"	120	141	110	49	4.8
3/4"	120	141	110	49	4.8



#### INSTALLATION

The steam trap must be fitted with the float arm in a horizontal plane so that it rises and falls vertically with the flow direction indicated on the body.

#### HOW TO SERVICE

By installing a new mechanism assembly (4),(5),(6), if necessary also a ball float (7), you can bring the steam trap to the "as new from factory" condition. This operation is carried out without removing the trap from the pipeline. Always fit a new gasket (3) when reassembling.

**How to order: i.e. GT 10 1/2" BSP**

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DOUGLAS ITALIA S.p.A.

**BALL FLOAT  
COMPRESSED AIR TRAPS  
GV**

## DESCRIPTION

A range of float operated traps for draining water from compressed air lines.

Applications on aftercoolers, separators, compressed air mains.



## MAIN FEATURES

Direct-acting float valve permits continuous drainage of water under changing conditions of inlet pressure and load. Because valve is under water during operation, air leakage is eliminated. Properly located it will assure a supply of dry compressed air.

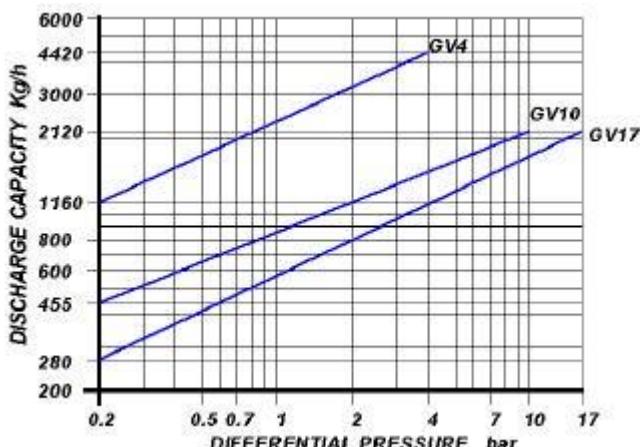
## OPERATION

Water entering the trap lifts the float and opens the discharge valve. This adjusts the valve opening so that there is a continuous flow of water through the trap. There are no pressure fluctuations as the trap opens and closes.

## NOTE

An equalizing line should be installed. This will equalize the pressure to the trap, eliminate gas binding and permit a smooth uninterrupted flow of condensate to the trap, the equalizing line connection to the tank must be above the level of any possible accumulation of condensate.

## DISCHARGE CAPACITY



Safety factor = 1.2 – 1.5

## SIZES

1"

## CONNECTIONS

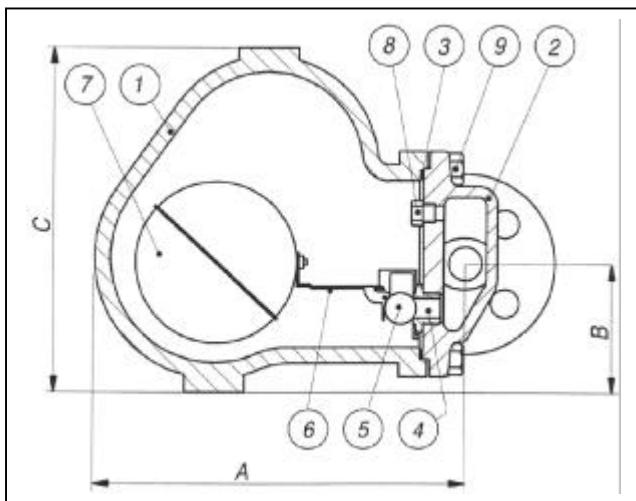
Screwed	BS 21 (BSP)
Flanged	ANSI 150# / 300# / UNI / DIN

## LIMITING CONDITIONS (according to ISO 6552)

Steam Trap rating	DIN PN 25
PMA: Max allowable pressure	25 bar
TMA: max allowable temperature	300°C
PMO: max working pressure	17 bar
TMO: max working temperature	250°C
Max. Differential pressure (GV 4)	4 bar
Max. Differential pressure (GV 10)	10 bar
Max. Differential pressure (GV 17)	17 bar

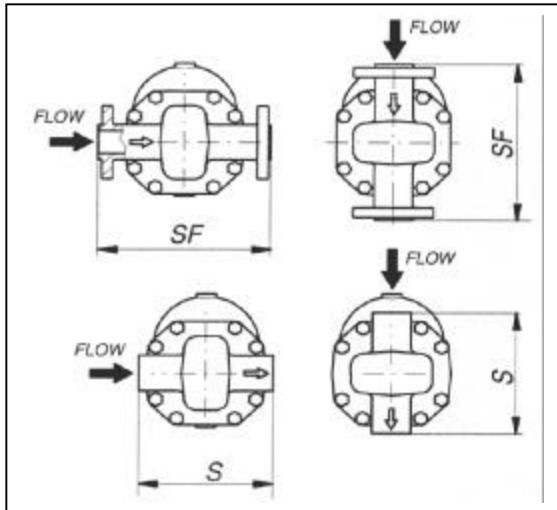
## COMPRESSED AIR BALL FLOAT TRAPS

# GV



POS.	DESCRIPTION	MATERIALS	SPARES
1	Body	GGG40 (DIN 1693)	
2	Cover	GGG40 (DIN 1693)	
3	Gasket	CAF	X
4	Seat	AISI 410	X
5	Valve	AISI 304	X
6	Lever	AISI 304	X
7	Ball float	AISI 304	X
8	Plug	STAINLESS STEAL	
9	Bolts	8.8 (UNI 3740-74)	

Size (inches)	Flanged										
	S	A	B	C	Weight (Kg)	UNI-DIN PN16-25-40	150# SF Kg	300# SF Kg			
1"	165	238	81	218	13	215	16.5	210	16.5	214	16.7



### INSTALLATION

The steam trap must be fitted with the float arm in a horizontal plane so that it rises and falls vertically with the flow direction indicated on the body.

### HOW TO SERVICE

By installing a new mechanism assembly (4),(5),(6), if necessary also a ball float (7), you can bring the steam trap to the "as new from factory" condition. This operation is carried out without removing the trap from the pipeline. Always fit a new gasket (3) when reassembling.

**How to order: i.e. GV 17 1/2" BSP**

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DOUGLAS ITALIA S.p.A.

**BALL FLOAT  
COMPRESSED AIR TRAPS  
GZ**

## DESCRIPTION

A range of float operated traps for draining water from compressed air lines.

Applications on aftercoolers, separators, compressed air mains.



## MAIN FEATURES

Direct-acting float valve permits continuous drainage of water under changing conditions of inlet pressure and load. Because valve is under water during operation, air leakage is eliminated. Properly located it will assure a supply of dry compressed air.

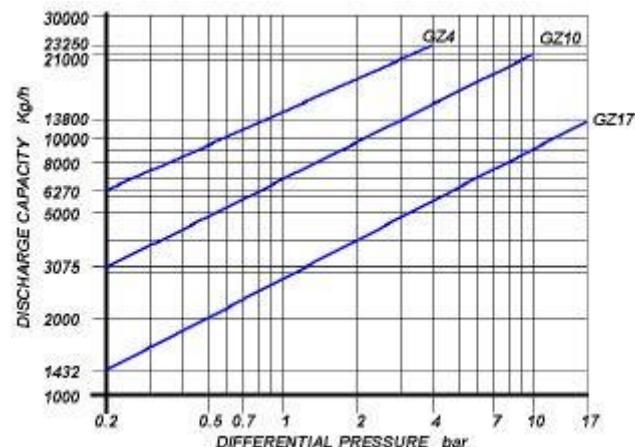
## OPERATION

Water entering the trap lifts the float and opens the discharge valve. This adjusts the valve opening so that there is a continuous flow of water through the trap. There are no pressure fluctuations as the trap opens and closes.

## NOTE

An equalizing line should be installed. This will equalize the pressure to the trap, eliminate gas binding and permit a smooth uninterrupted flow of condensate to the trap, the equalizing line connection to the tank must be above the level of any possible accumulation of condensate.

## DISCHARGE CAPACITY



Safety factor = 1.2 – 1.5

## SIZES

1½" – 2"

## CONNECTIONS

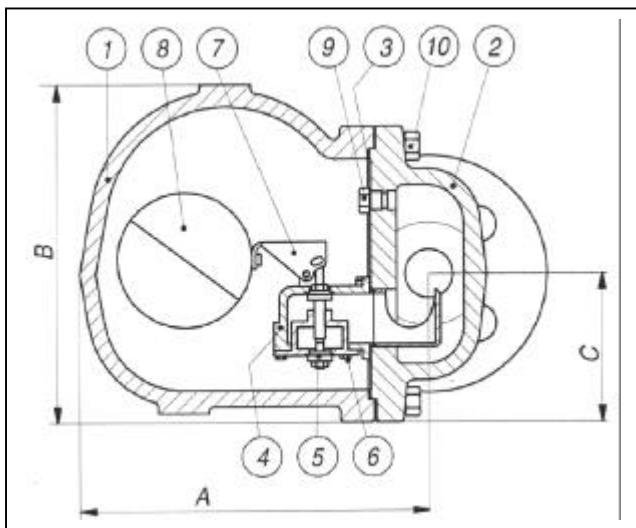
Screwed	BS 21 (BSP)
Flanged	ANSI 150# / 300# / UNI / DIN

## LIMITING CONDITIONS (according to ISO 6552)

Steam Trap rating	DIN PN 25
PMA: Max allowable pressure	25 bar
TMA: max allowable temperature	300°C
PMO: max working pressure	17 bar
TMO: max working temperature	250°C
Max. Differential pressure (GZ 4)	4 bar
Max. Differential pressure (GZ 10)	10 bar
Max. Differential pressure (GZ 17)	17 bar

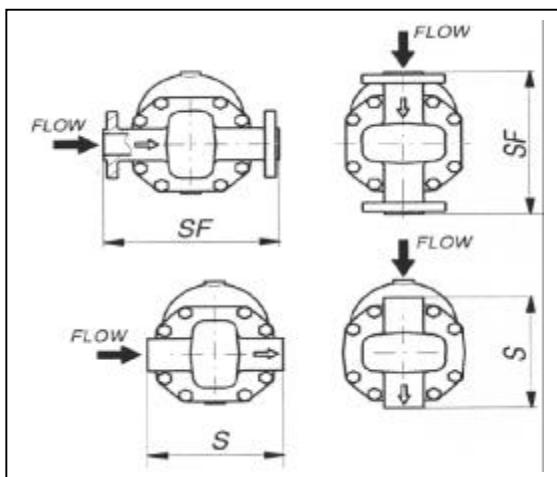
## COMPRESSED AIR BALL FLOAT TRAPS

### GZ



POS.	DESCRIPTION	MATERIALS	SPARES
1	Body	GGG40 (DIN 1693)	
2	Cover	GGG40 (DIN 1693)	
3	Gasket	CAF	X
4	Seat	AISI 410	X
5	Valve	AISI 410	X
6	Screws	STAINLESS STEAL	X
7	Lever	AISI 304	X
8	Ball float	AISI 304	X
9	Plug	STAINLESS STEAL	
10	Bolts	8.8 (UNI 3740-74)	

Size (inches)	S	A	B	C	Weight (Kg)	Flanged		150#		300#	
						UNI-DIN PN16-25-40 SF Kg		SF	Kg	SF	Kg
1½"	260	258	250	109	34	320	37	320	37	320	39
2"	260	258	250	109	34	320	38	320	38	320	40



#### INSTALLATION

The steam trap must be fitted with the float arm in a horizontal plane so that it rises and falls vertically with the flow direction indicated on the body.

#### HOW TO SERVICE

By installing a new mechanism assembly (4),(5),(6),(7), if necessary also a ball float (8), you can bring the steam trap to the "as new from factory" condition. This operation is carried out without removing the trap from the pipeline. Always fit a new gasket (3) when reassembling.

**How to order: i.e. GZ 17 2" BSP**

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DOUGLAS ITALIA S.p.A.

BALL FLOAT  
COMPRESSED AIR TRAPS  
**GX** WCB

## DESCRIPTION

A range of float operated traps for draining water from compressed air lines.  
Applications on aftercoolers, separators, compressed air mains.



## MAIN FEATURES

Direct-acting float valve permits continuous drainage of water under changing conditions of inlet pressure and load. Because valve is under water during operation, air leakage is eliminated. Properly located it will assure a supply of dry compressed air.

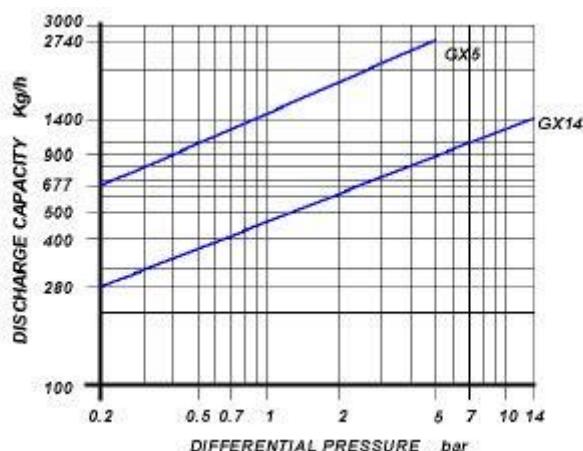
## OPERATION

Water entering the trap lifts the float and opens the discharge valve. This adjusts the valve opening so that there is a continuous flow of water through the trap. There are no pressure fluctuations as the trap opens and closes.

## NOTE

An equalizing line should be installed. This will equalize the pressure to the trap, eliminate gas binding and permit a smooth uninterrupted flow of condensate to the trap, the equalizing line connection to the tank must be above the level of any possible accumulation of condensate.

## DISCHARGE CAPACITY



Safety factor = 1.2 – 1.5

## SIZES

1/2" – 3/4" – 1"

## CONNECTIONS

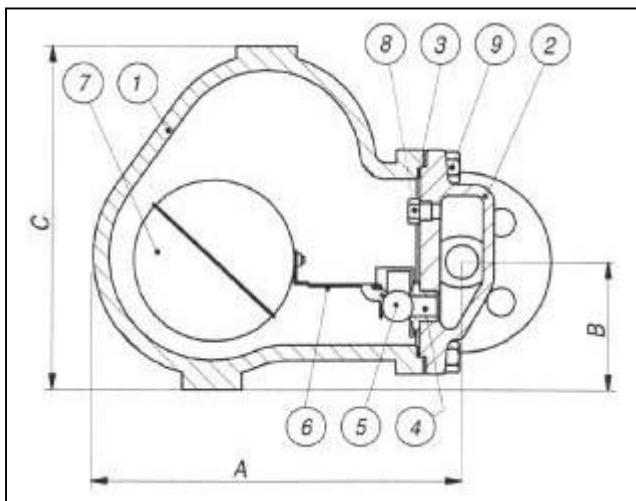
SCREWED	ANSI B1.20.1 (NPT) / BS21 (BSP)
SOCKET WELD	ANSI B16.11
FLANGED	ANSI 150# / 300# / 600# / UNI / DIN

## LIMITING CONDITIONS (according to ISO 6552)

Steam Trap rating	ANSI 150
PMA: Max allowable pressure	20 bar
TMA: max allowable temperature	350°C
PMO: max working pressure	14 bar
TMO: max working temperature	300°C
Max. Differential pressure (GX 5)	5 bar
Max. Differential pressure (GX 14)	14 bar

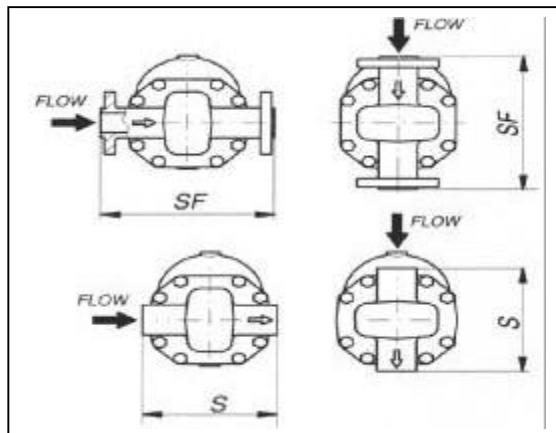
## COMPRESSED AIR BALL FLOAT TRAPS

### GX WCB



POS.	DESCRIPTION	MATERIALS	SPARES
1	Body	ASTM A216 WCB	
2	Cover	ASTM A216 WCB	
3	Gasket	316 / GRAPHITE	X
4	Seat	AISI 316	X
5	Valve	AISI 316	X
6	Lever	AISI 316	X
7	Ball float	AISI 316	X
8	Plug	INOX	
9	Bolts	ASTM A193 B7	

Size (inches)	S	A	B	C	Weight (Kg)	UNI-DIN PN16-25-40		150#		300#		600#	
						SF	Kg	SF	Kg	SF	Kg	SF	Kg
1/2"	165	213	71	180	11	211	13.3	205	13.3	211	13.5	222	14
3/4"	165	213	71	180	11	215	13.7	207	13.7	211	14.6	230	15
1"	165	213	71	180	11	215	14.5	210	14.5	214	15.2	230	15.5



#### INSTALLATION

The steam trap must be fitted with the float arm in a horizontal plane so that it rises and falls vertically with the flow direction indicated on the body.

#### HOW TO SERVICE

By installing a new mechanism assembly (4),(5),(6),if necessary also a ball float (7), you can bring the steam trap to the "as new from factory" condition. This operation is carried out without removing the trap from the pipeline. Always fit a new gasket (3) when reassembling.

**How to order: i.e. GX 14 WCB 1/2" NPT**

**DOUGLAS ITALIA S.p.A.** Località Pradaglie – 29013 CARPANETO PIACENTINO (PC)

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**DOUGLAS ITALIA S.p.A.**

**BALL FLOAT  
COMPRESSED AIR TRAPS**  
**GX CF8M**

**DESCRIPTION**

A range of float operated traps for draining water from compressed air lines.

Applications on aftercoolers, separators, compressed air mains.

**MAIN FEATURES**

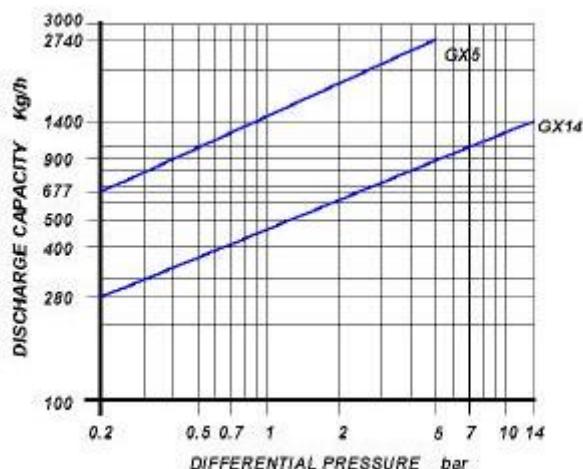
Direct-acting float valve permits continuous drainage of water under changing conditions of inlet pressure and load. Because valve is under water during operation, air leakage is eliminated. Properly located it will assure a supply of dry compressed air.

**OPERATION**

Water entering the trap lifts the float and opens the discharge valve. This adjusts the valve opening so that there is a continuous flow of water through the trap. There are no pressure fluctuations as the trap opens and closes.

**NOTE**

An equalizing line should be installed. This will equalize the pressure to the trap, eliminate gas binding and permit a smooth uninterrupted flow of condensate to the trap, the equalizing line connection to the tank must be above the level of any possible accumulation of condensate.

**DISCHARGE CAPACITY**

Safety factor = 1.2 – 1.5

**SIZES**

1/2" – 3/4" – 1"

**CONNECTIONS**

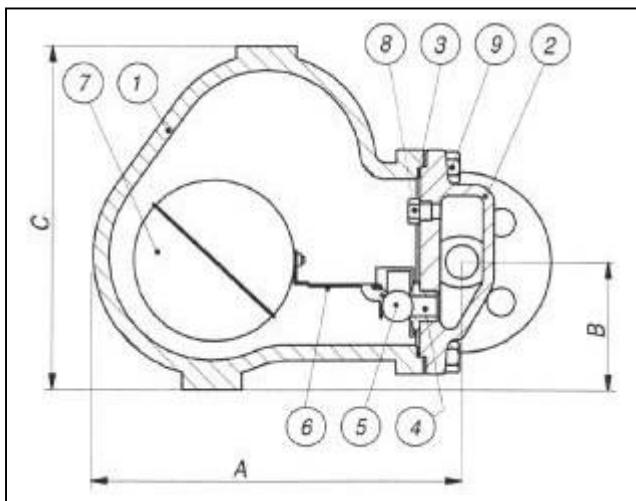
SCREWED	ANSI B1.20.1 (NPT) / BS21 (BSP)
SOCKET WELD	ANSI B16.11
FLANGED	ANSI 150# / 300# / 600# / UNI / DIN

**LIMITING CONDITIONS (according to ISO 6552)**

Steam Trap rating	ANSI 150
PMA: Max allowable pressure	20 bar
TMA: max allowable temperature	410°C
PMO: max working pressure	14 bar
TMO: max working temperature	370°C
Max. Differential pressure (GX 5)	5 bar
Max. Differential pressure (GX 14)	14 bar

## COMPRESSED AIR BALL FLOAT TRAPS

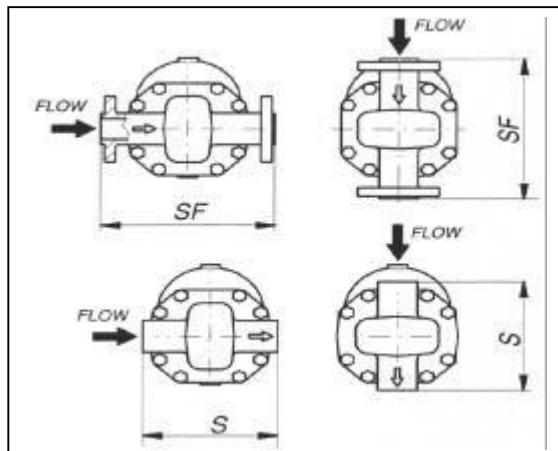
### GX CF8M



POS.	DESCRIPTION	MATERIALS	SPARES
1	Body	ASTM A315 CF8M	
2	Cover	ASTM A315 CF8M	
3	Gasket	316 / GRAPHITE	X
4	Seat	AISI 316	X
5	Valve	AISI 316	X
6	Lever	AISI 316	X
7	Ball float	AISI 316	X
8	Plug	INOX	
9	Bolts	ASTM A193 B8	

#### Flanged

Size (inches)	S	A	B	C	Weight (Kg)	UNI-DIN PN16-25-40		150#		300#		600#	
						SF	Kg	SF	Kg	SF	Kg	SF	Kg
1/2"	165	213	71	180	11	211	13.3	205	13.3	211	13.5	222	14
3/4"	165	213	71	180	11	215	13.7	207	13.7	211	14.6	230	15
1"	165	213	71	180	11	215	14.5	210	14.5	214	15.2	230	15.5



#### INSTALLATION

The steam trap must be fitted with the float arm in a horizontal plane so that it rises and falls vertically with the flow direction indicated on the body.

#### HOW TO SERVICE

By installing a new mechanism assembly (4),(5),(6),if necessary also a ball float (7), you can bring the steam trap to the "as new from factory" condition. This operation is carried out without removing the trap from the pipeline. Always fit a new gasket (3) when reassembling.

**How to order: i.e. GX 14 CF8M 1/2" NPT**

**DOUGLAS ITALIA S.p.A.** Località Pradaglie – 29013 CARPANETO PIACENTINO ( PC )

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DOUGLAS ITALIA S.p.A.

**BALL FLOAT  
COMPRESSED AIR TRAPS**  
**GY WCB**

### DESCRIPTION

A range of float operated traps for draining water from compressed air lines.

Applications on aftercoolers, separators, compressed air mains.



### MAIN FEATURES

Direct-acting float valve permits continuous drainage of water under changing conditions of inlet pressure and load. Because valve is under water during operation, air leakage is eliminated. Properly located it will assure a supply of dry compressed air.

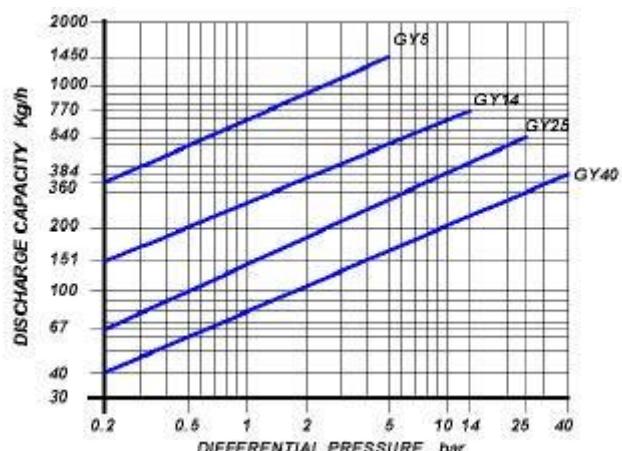
### APPLICATIONS

Water entering the trap lifts the float and opens the discharge valve. This adjusts the valve opening so that there is a continuous flow of water through the trap. There are no pressure fluctuations as the trap opens and closes.

### NOTE

An equalizing line should be installed. This will equalize the pressure to the trap, eliminate gas binding and permit a smooth uninterrupted flow of condensate to the trap, the equalizing line connection to the tank must be above the level of any possible accumulation of condensate.

### DISCHARGE CAPACITY



Safety factor = 1.2 – 1.5

### SIZES

1/2" – 3/4" – 1"

### CONNECTIONS

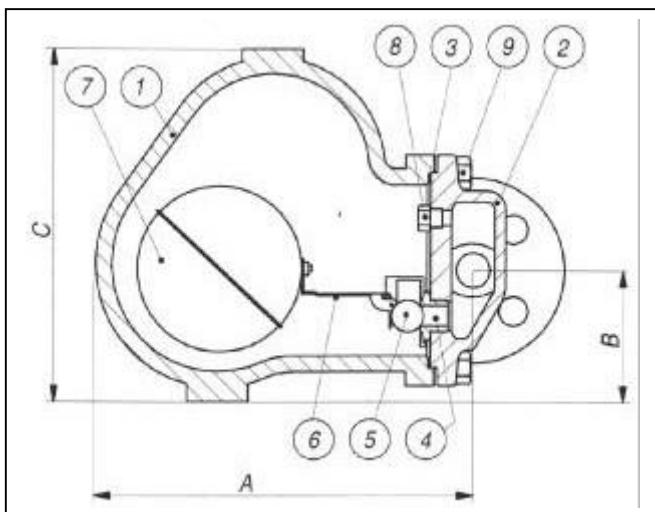
SCREWED	ANSI B1.20.1 (NPT) / BS21 (BSP)
SOCKET WELD	ANSI B16.11
FLANGED	ANSI 150# / 300# / 600# / UNI / DIN

### LIMITING CONDITIONS (according to ISO 6552)

Steam Trap rating	ANSI 300
PMA: Max allowable pressure	50 bar
TMA: max allowable temperature	350°C
PMO: max working pressure	40 bar
TMO: max working temperature	300°C
Max. Differential pressure (GY 5)	5 bar
Max. Differential pressure (GY 14)	14 bar
Max. Differential pressure (GY 25)	25 bar
Max. Differential pressure (GY 40)	40 bar

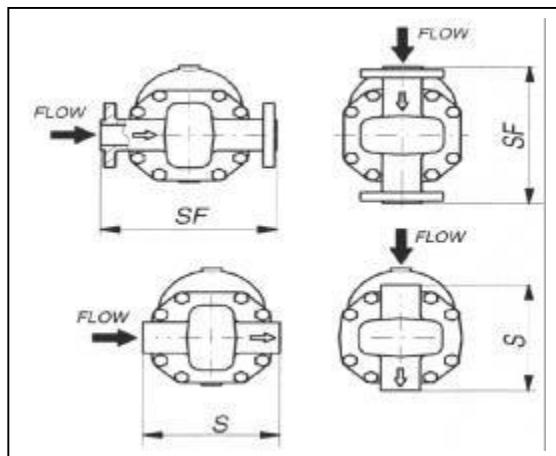
## COMPRESSED AIR BALL FLOAT TRAPS

### GY WCB



POS.	DESCRIPTION	MATERIALS	SPARES
1	Body	ASTM A216 WCB	
2	Cover	ASTM A216 WCB	
3	Gasket	316 / GRAPHITE	X
4	Seat	AISI 316	X
5	Valve	AISI 316	X
6	Lever	AISI 316	X
7	Ball float	AISI 316	X
8	Plug	STAINLESS STEEL	
9	Bolts	ASTM A193 B7	

Size (inches)	S	A	B	C	Weight (Kg)	UNI-DIN PN16-25-40		150#		300#		600#	
						SF	Kg	SF	Kg	SF	Kg	SF	Kg
1/2"	165	213	71	180	11	211	13.3	205	13.3	211	13.5	222	14
3/4"	165	213	71	180	11	215	13.7	207	13.7	211	14.6	230	15
1"	165	213	71	180	11	215	14.5	210	14.5	214	15.2	230	15.5



#### INSTALLATION

The steam trap must be fitted with the float arm in a horizontal plane so that it rises and falls vertically with the flow direction indicated on the body.

#### HOW TO SERVICE

By installing a new mechanism assembly (4),(5),(6),if necessary also a ball float (7), you can bring the steam trap to the "as new from factory" condition. This operation is carried out without removing the trap from the pipeline. Always fit a new gasket (3) when reassembling.

**How to order: i.e. GY 40 WCB 1" 300 RF**

**DOUGLAS ITALIA S.p.A.** Località Pradaglie – 29013 CARPANETO PIACENTINO ( PC )

**OFFICIAL WEB SITE:** [www.douglas-italia.com](http://www.douglas-italia.com)



DOUGLAS ITALIA S.p.A.

**BALL FLOAT  
COMPRESSED AIR TRAPS**  
**GY CF8M**

## DESCRIPTION

A range of float operated traps for draining water from compressed air lines.

Applications on aftercoolers, separators, compressed air mains.



## MAIN FEATURES

Direct-acting float valve permits continuous drainage of water under changing conditions of inlet pressure and load. Because valve is under water during operation, air leakage is eliminated. Properly located it will assure a supply of dry compressed air.

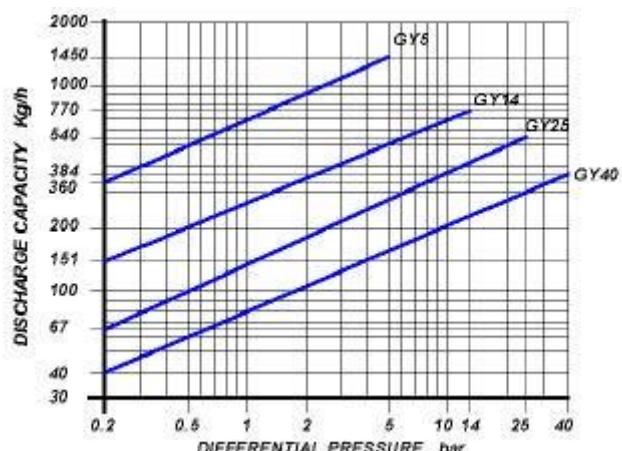
## APPLICATIONS

Water entering the trap lifts the float and opens the discharge valve. This adjusts the valve opening so that there is a continuous flow of water through the trap. There are no pressure fluctuations as the trap opens and closes.

## NOTE

An equalizing line should be installed. This will equalize the pressure to the trap, eliminate gas binding and permit a smooth uninterrupted flow of condensate to the trap, the equalizing line connection to the tank must be above the level of any possible accumulation of condensate.

## DISCHARGE CAPACITY



Safety factor = 1.2 – 1.5

## SIZES

1/2" – 3/4" – 1"

## CONNECTIONS

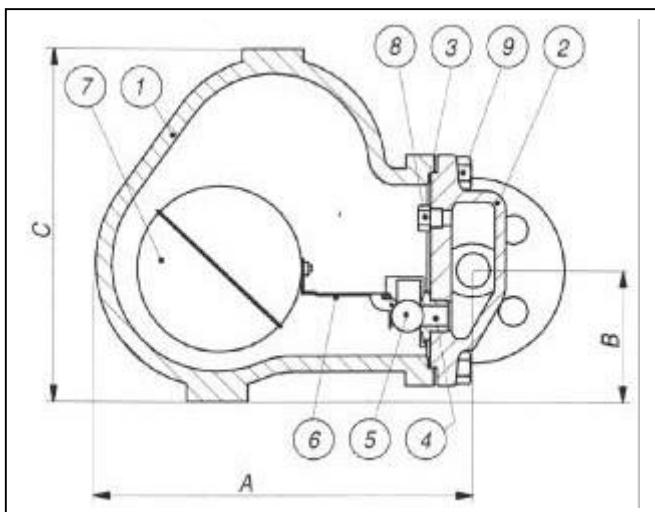
SCREWED	ANSI B1.20.1 (NPT) / BS21 (BSP)
SOCKET WELD	ANSI B16.11
FLANGED	ANSI 150# / 300# / 600# / UNI / DIN

## LIMITING CONDITIONS (according to ISO 6552)

Steam Trap rating	ANSI 300
PMA: Max allowable pressure	50 bar
TMA: max allowable temperature	410°C
PMO: max working pressure	40 bar
TMO: max working temperature	370°C
Max. Differential pressure (GY 5)	5 bar
Max. Differential pressure (GY 14)	14 bar
Max. Differential pressure (GY 25)	25 bar
Max. Differential pressure (GY 40)	40 bar

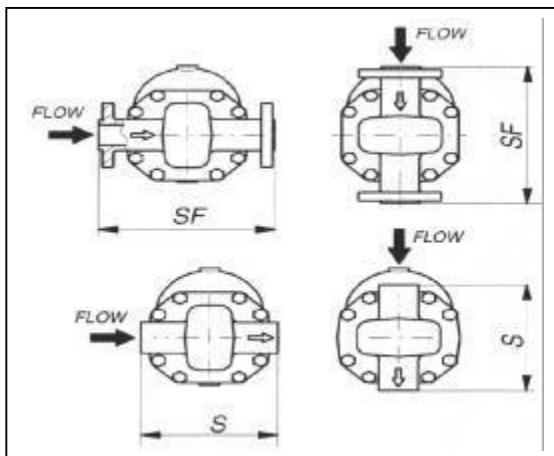
## COMPRESSED AIR BALL FLOAT TRAPS

### GY CF8M



POS.	DESCRIPTION	MATERIALS	SPARES
1	Body	ASTM A351 CF8M	
2	Cover	ASTM A351 CF8M	
3	Gasket	316 / GRAPHITE	X
4	Seat	AISI 316	X
5	Valve	AISI 316	X
6	Lever	AISI 316	X
7	Ball float	AISI 316	X
8	Plug	STAINLESS STEEL	
9	Bolts	ASTM A193 B8	

Size (inches)	S	A	B	C	Weight (Kg)	UNI-DIN PN16-25-40		150#		300#		600#	
						SF	Kg	SF	Kg	SF	Kg	SF	Kg
1/2"	165	213	71	180	11	211	13.3	205	13.3	211	13.5	222	14
3/4"	165	213	71	180	11	215	13.7	207	13.7	211	14.6	230	15
1"	165	213	71	180	11	215	14.5	210	14.5	214	15.2	230	15.5



#### INSTALLATION

The steam trap must be fitted with the float arm in a horizontal plane so that it rises and falls vertically with the flow direction indicated on the body.

#### HOW TO SERVICE

By installing a new mechanism assembly (4),(5),(6),if necessary also a ball float (7), you can bring the steam trap to the "as new from factory" condition. This operation is carried out without removing the trap from the pipeline. Always fit a new gasket (3) when reassembling.

**How to order: i.e. GY 40 CF8M 1" 300 RF**

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DOUGLAS ITALIA S.p.A.

BALL FLOAT  
COMPRESSED AIR TRAPS  
**GK** WCB

## DESCRIPTION

A range of float operated traps for draining water from compressed air lines.

Applications on aftercoolers, separators, compressed air mains.



## MAIN FEATURES

Direct-acting float valve permits continuous drainage of water under changing conditions of inlet pressure and load. Because valve is under water during operation, air leakage is eliminated. Properly located it will assure a supply of dry compressed air.

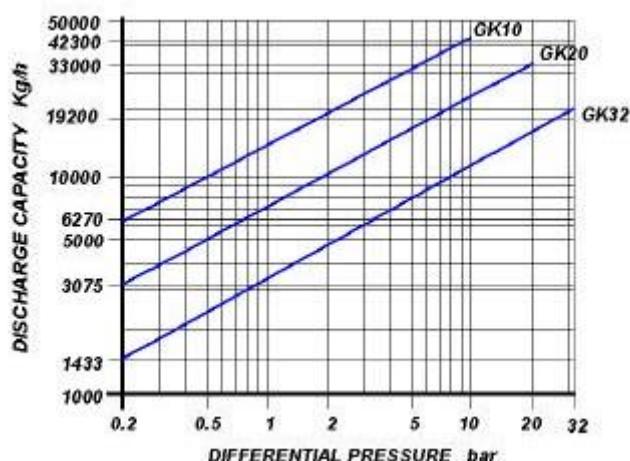
## OPERATION

Water entering the trap lifts the float and opens the discharge valve. This adjusts the valve opening so that there is a continuous flow of water through the trap. There are no pressure fluctuations as the trap opens and closes.

## NOTE

An equalizing line should be installed. This will equalize the pressure to the trap, eliminate gas binding and permit a smooth uninterrupted flow of condensate to the trap, the equalizing line connection to the tank must be above the level of any possible accumulation of condensate.

## DISCHARGE CAPACITY



Safety factor = 1.2 – 1.5

## SIZES

1½" – 2"

## CONNECTIONS

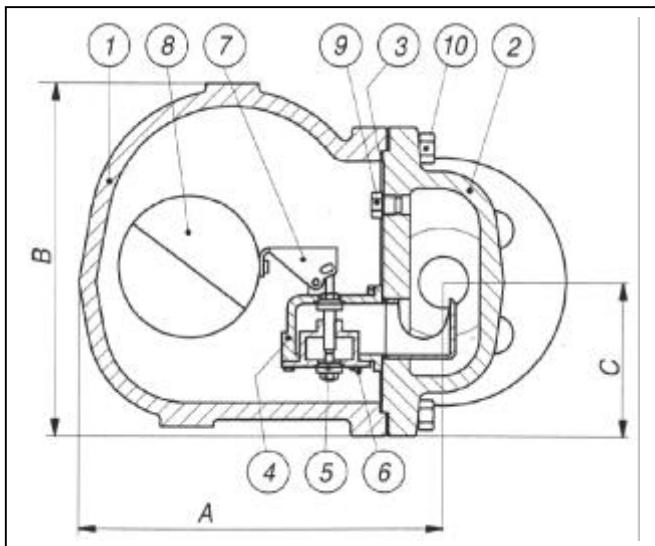
SCREWED	ANSI B1.20.1 (NPT) / BS21 (BSP)
SOCKET WELD	ANSI B16.11
FLANGED	ANSI 150# / 300# / 600# / UNI / DIN

## LIMITING CONDITIONS (according to ISO 6552)

Steam Trap rating	ANSI 300
PMA: Max allowable pressure	50 bar
TMA: max allowable temperature	350°C
PMO: max working pressure	40 bar
TMO: max working temperature	300°C
Max. Differential pressure (GK 10)	10 bar
Max. Differential pressure (GK 20)	20 bar
Max. Differential pressure (GK 32)	32 bar

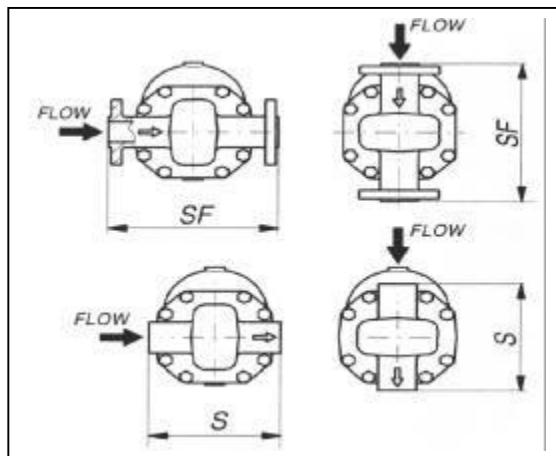
## COMPRESSED AIR BALL FLOAT TRAPS

### GK WCB



POS.	DESCRIPTION	MATERIALS	SPARES
1	Body	ASTM A216 WCB	
2	Cover	ASTM A216 WCB	
3	Gasket	316 / GRAPHITE	X
4	Seat	AISI 316	X
5	Valve	AISI 316	X
6	Screws	STAINLESS STEEL	X
7	Lever	AISI 316	X
8	Ball float	AISI 316	X
9	Plug	A 105	
10	Bolts	ASTM A193 B7	

Size (inches)	S	A	B	C	Weight (Kg)	UNI-DN PN16-25-40		150#		300#		600#	
						SF	Kg	SF	Kg	SF	Kg	SF	Kg
1½"	260	258	250	109	34	320	37	320	37	320	39	320	41
"2"	260	258	250	109	34	320	38	320	38	320	40	320	42



#### INSTALLATION

The steam trap must be fitted with the float arm in a horizontal plane so that it rises and falls vertically with the flow direction indicated on the body.

#### HOW TO SERVICE

By installing a new mechanism assembly (4),(5),(6),(7), if necessary also a ball float (8), you can bring the steam trap to the "as new from factory" condition. This operation is carried out without removing the trap from the pipeline. Always fit a new gasket (3) when reassembling.

**How to order: i.e. GK 17 WCB 2" 300 RF**

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DOUGLAS ITALIA S.p.A.

**BALL FLOAT  
COMPRESSED AIR TRAPS**  
**GK CF8M**

### DESCRIPTION

A range of float operated traps for draining water from compressed air lines.

Applications on aftercoolers, separators, compressed air mains.



### MAIN FEATURES

Direct-acting float valve permits continuous drainage of water under changing conditions of inlet pressure and load. Because valve is under water during operation, air leakage is eliminated. Properly located it will assure a supply of dry compressed air.

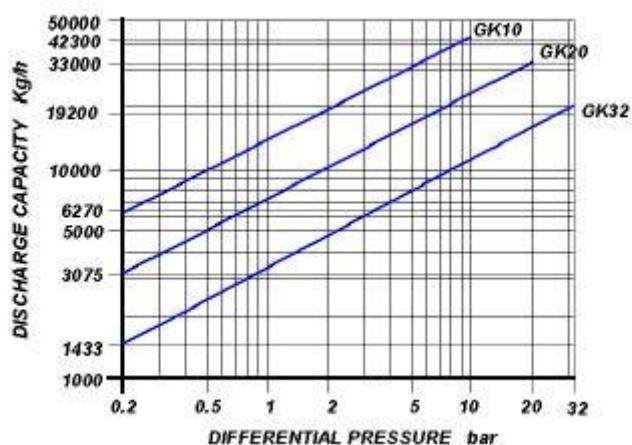
### OPERATION

Water entering the trap lifts the float and opens the discharge valve. This adjusts the valve opening so that there is a continuous flow of water through the trap. There are no pressure fluctuations as the trap opens and closes.

### NOTE

An equalizing line should be installed. This will equalize the pressure to the trap, eliminate gas binding and permit a smooth uninterrupted flow of condensate to the trap, the equalizing line connection to the tank must be above the level of any possible accumulation of condensate.

### DISCHARGE CAPACITY



Safety factor = 1.2 – 1.5

### SIZES

1½" – 2"

### CONNECTIONS

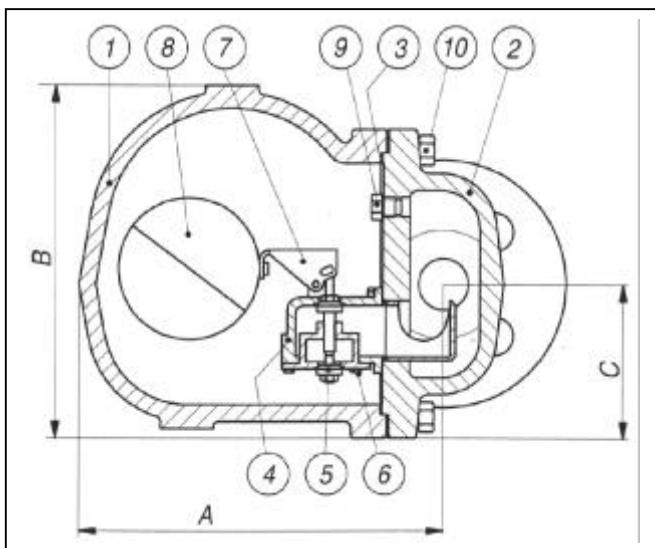
SCREWED	ANSI B1.20.1 (NPT) / BS21 (BSP)
SOCKET WELD	ANSI B16.11
FLANGED	ANSI 150# / 300# / 600# / UNI / DIN

### LIMITING CONDITIONS (according to ISO 6552)

Steam Trap rating	ANSI 300
PMA: Max allowable pressure	50 bar
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Max. Differential pressure (GK 10)	10 bar
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Max. Differential pressure (GK 32)	32 bar

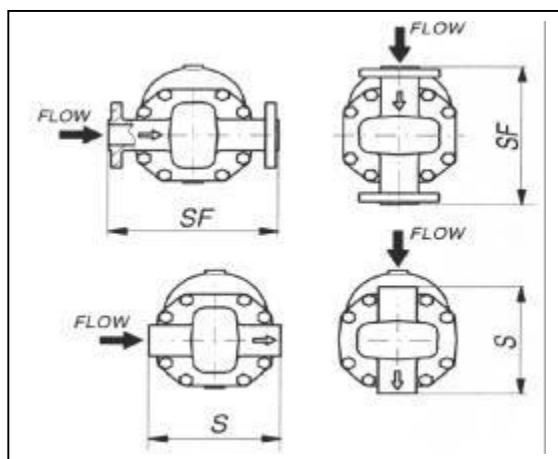
## COMPRESSED AIR BALL FLOAT TRAPS

### GK CF8M



POS.	DESCRIPTION	MATERIALS	SPARES
1	Body	ASTM A351 CF8M	
2	Cover	ASTM A351 CF8M	
3	Gasket	316 / GRAPHITE	X
4	Seat	AISI 316	X
5	Valve	AISI 316	X
6	Screws	STAINLESS STEEL	X
7	Lever	AISI 316	X
8	Ball float	AISI 316	X
9	Plug	F 304	
10	Bolts	ASTM A193 B8	

Size (inches)	S	A	B	C	Weight (Kg)	UNI-DN PN16-25-40		150#		300#		600#	
						SF	Kg	SF	Kg	SF	Kg	SF	Kg
1½"	260	258	250	109	34	320	37	320	37	320	39	320	41
"2"	260	258	250	109	34	320	38	320	38	320	40	320	42



#### INSTALLATION

The steam trap must be fitted with the float arm in a horizontal plane so that it rises and falls vertically with the flow direction indicated on the body.

#### HOW TO SERVICE

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**How to order: i.e. GK 17 CF8M 2" 300 RF**

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