



MULTIFUNCTION GAS TANKS

LPG Tanks - Ammonia Tanks - LNG Tanks - Cryogenic Tanks

mgtglobal.com.tr

MGT GLOBAL Company located in HATAY – TURKEY is manufacturer of all kinds of pressure vessels (LPG, NH3, LNG and Cryogenic tanks) storage, transport, bobtails and skid filling stations .

Our products are manufactured according to European standards with modern machinery and high production capacity with high trained work team that have a large experience in the field of pressure vessels.

MGT GLOBAL expands its production day after day and manufactures all kinds of tanks that will meet increased needs.

MGT GLOBAL exportation reached to 18 country worldwide including Middle East, Africa Russia and Ukraine.

MGT GLOBAL is aiming to meet increasing demands for clients with high quality products.

MGT GLOBAL is ISO 9001:2015 certified according to European standards.

MGT GLOBAL provide ADR certificate for road tanks (Semi-Trailer).

MGT GLOBAL provide CE certificate for all kinds of storage tanks.

MGT GLOBAL is aiming to develop day after day to be the best company by giving the best quality for its products.

Our Vision

- 🔥 To be the most preferred company in Turkey and abroad
- 🔥 To increase the quality of products and services by overseeing people and the environment.
- 🔥 To maintain the understanding of quality service and to be a model organization in the sector.

Our Mission

- 🔥 To serve with high quality for products based on customer satisfaction, without compromising the principle of honesty.
- 🔥 To provide products with superior quality and safety to our customers by following innovative applications and developments in the best way.

Overview about LPG

LPG (liquefied petroleum gas) is used in industrial, commercial, agricultural, and manufacturing applications.

LPG is a mix of propane (C_3H_8) and Butane (C_4H_{10})

LPG tanks can be storage tanks or road tanks, semi-trailer or Bobtail, also can be used as skid system (Autogas mini filling station)

LPG Tanks products :

🔥 LPG Semi-Trailer Tanks

🔥 LPG Bobtail Tanks

🔥 LPG Storage Tanks

🔥 LPG Skid Autogas Filling Station



LPG Road Tanks (Semi-Trailer)



LPG Road Tanks (Semi-Trailer)

LPG Semi Trailer tank used to transport and distribute LPG to the plants that use LPG gas
The capacity of semi-trailer can be 30- 60 m3
The kind of axles can be mechanical or air suspension, it depends on the country and its laws and depends on the nature of roads in the country will work in .

Axles with air suspension system

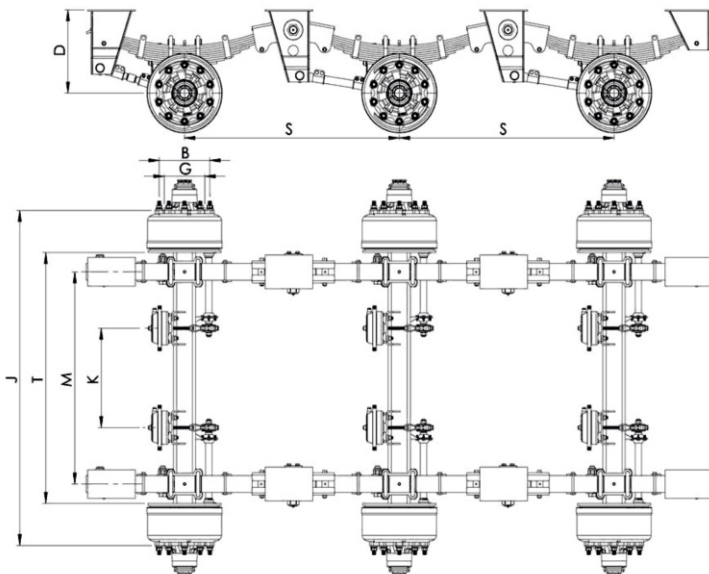


Capacity (Ton)	Bearing	Axle Beam (mm)	Brake	Track Width J(mm)	K (mm)	M (mm)	T (mm)	S (mm)	D (mm)	F (mm)	G/B (mm)
3X9	33213 218248	140 X 140	330 X 200	1820	365	900	1290	1350	230	270	175,5/225 M22X1,5-10
3X9	33310 33116	120 X 120	420 X 180	2070	570	1300	1500	1350	385	270	280,8/335 M22X1,5-10
3X9	33213 218248	120 X 120	420 X 180	2070	570	1300	1500	1350	385	270	280,8/335 M22X1,5-10
3X11	33213 218248	140 X 140	420 X 200	2070	570	1300	1500	1350	429	270	280,8/335 M22X1,5-10
3X12	33213 218248	140 X 140	420 X 220	2070	570	1300	1500	1350	429	270	280,8/335 M22X1,5-10

Axles with mechanical suspension system

Mechanical suspension system is very strong system and has high resistance, for that reason it can be used in the bad roads, and the axle capacity can be 12, 14, or 16 ton according to the GVW (Gross Vehicle Weight), where if GVW high it means we have to use high capacity 16 ton axle, but is case of GVW low it means we can use low capacity 14 or 12 ton.

For this kind of axles ; single tire or double tire can be mounted.

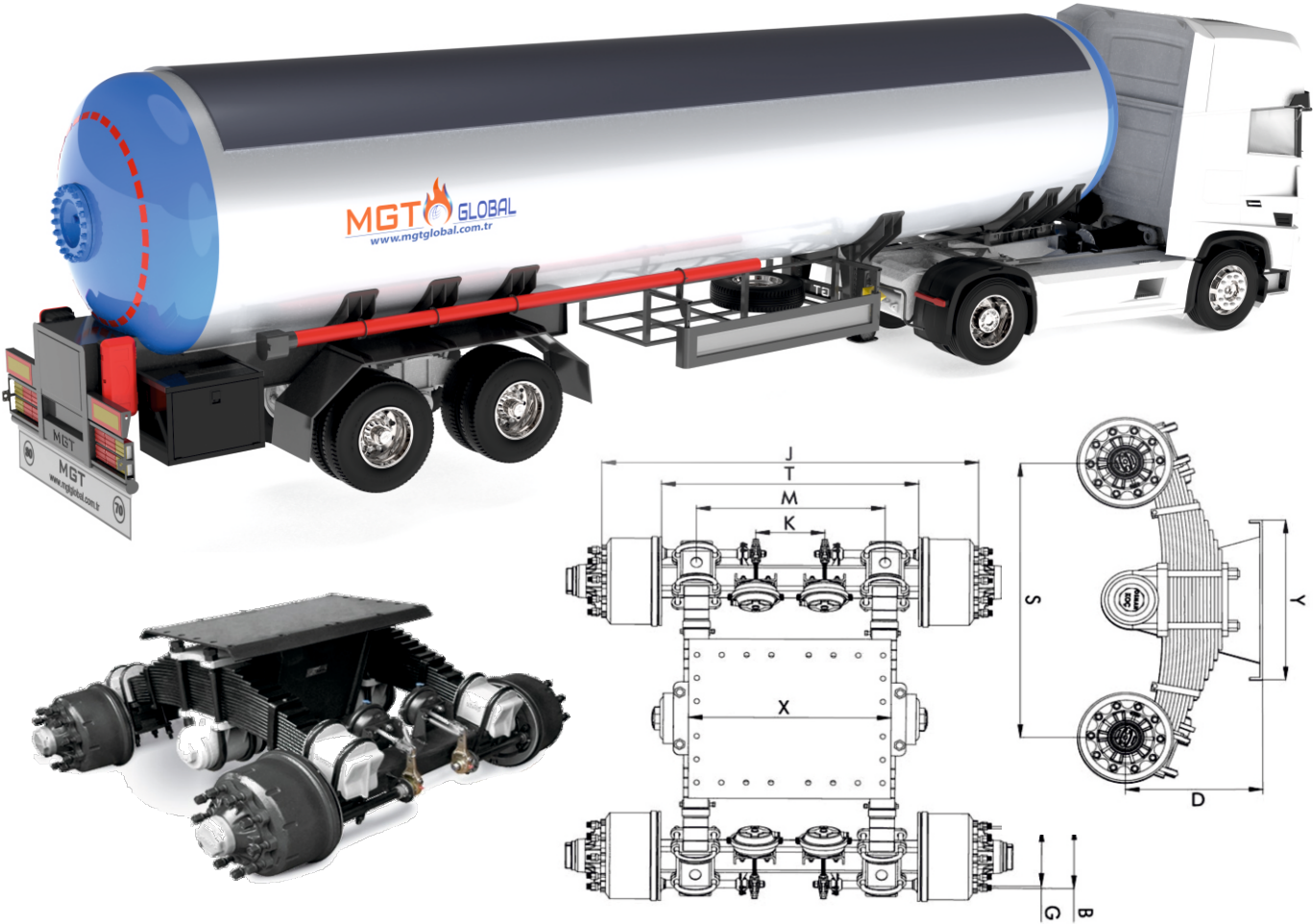


Capacity (Ton)	Bearing	Axle Beam (mm)	Brake	Track Width J(mm)	K (mm)	M (mm)	T (mm)	S (mm)	D (mm)	G/B (mm)	Spring Layers
3x9	33213 218248	120x120	420x180	1820	330	900-950	1250	1350	450&490	280,8/335 M22X1,5-10	8
3x12	33213 218248	140x140	420x200	1820	330	900-950	1250	1350	430&470	280,8/335 M22X1,5-10	10
3x14	33215 33019	140x140	420x220	1820	330	900-950	1250	1350	450&490	280,8/335 M22X1,5-10	12
3x16	32314 32222	150x150	420x220	1820	330	900-950	1250	1350	460&490	280,8/335 M22X1,5-10	14

LPG Road Tanks (Semi-Trailer)



W-Bogie Axle



Capacity (Ton)	Bearing	Axle Beam (mm)	Brake	Track Width J(mm)	K (mm)	M (mm)	T (mm)	S (mm)	D (mm)	X/Y (mm)	G/B (mm)
2X12	33213 218248	140 X 140	420 X 220	1820	315	900	1250	1550	690	980*824	280,8/335 M22X1,5-10
2X14	33215 33019	140 X140	420 X 220	1820	315	900	1250	1550	690	980*824	280,8/335 M22X1,5-10
2X16	32314 32222	150 X 150	420 X 220	1820	315	900	1250	1550	690	980*824	280,8/335 M22X1,5-10

Design parameters for road tanks (Pressure Vessel)

Design Code	AD 2000 MERKBALTTER, EN 12493 ,EN 13445 ,ASME CODE and other codes
Capacity	(30 - 60 m3) According to request
Body Type	Horizontal, Cylindrical
Heads Type	Elliptical or Hemispherical , Heat treatment 600 C °
Material	SA 516 Gr 70 / EN-10028.3 (P355NH-P355NL1) / EN-10028.2 (P355GH)
Design Temperature	(-20 C ° / +70 C °)
Design Pressure	17,1 - 22 BAR
Test Pressure	26,25 - 31,5 BAR
Welding	SAW -Submerged Arc Welding
Piping	SCH80 seamless pipes
Tests	UT (Ultrasonic Test) - X-Ray :RT (RadiographicTest) - BT (Beta Test), Hydrostatic Test
Paint	Sandblasting will be done firstly, 2 layers of epoxy base paint, then 2 layers of paint .

The welding tests that can be done for tank

UT (Ultrasonic Test) and RT (Radiographic Test) for joints, BT Test will be done for welded flanges.

The hydrostatic test will be done by water pressure according to code by THIRD PARTY

List of accessories can be used for road tank – semi-trailer

2 " NPT Transport Pressure Relief Valve
3 " , 2 " Hydraulic Excess Flow Valve
DN50 Pneumatic Actuator ball Valve
4 " Dia -Magnetic or Mechanical Level Indicator
Manometer (0-40 bar)
Thermometer (-20/ +70 C °)
DN50 PN40 -2 " Monoblock Ball Valve
Hydraulic Operator 1 LT
3 ¼ " - 2 " Acme Cap + Nipple
2 ¼ " - 1 ¼ " Acme Cap + Nipple

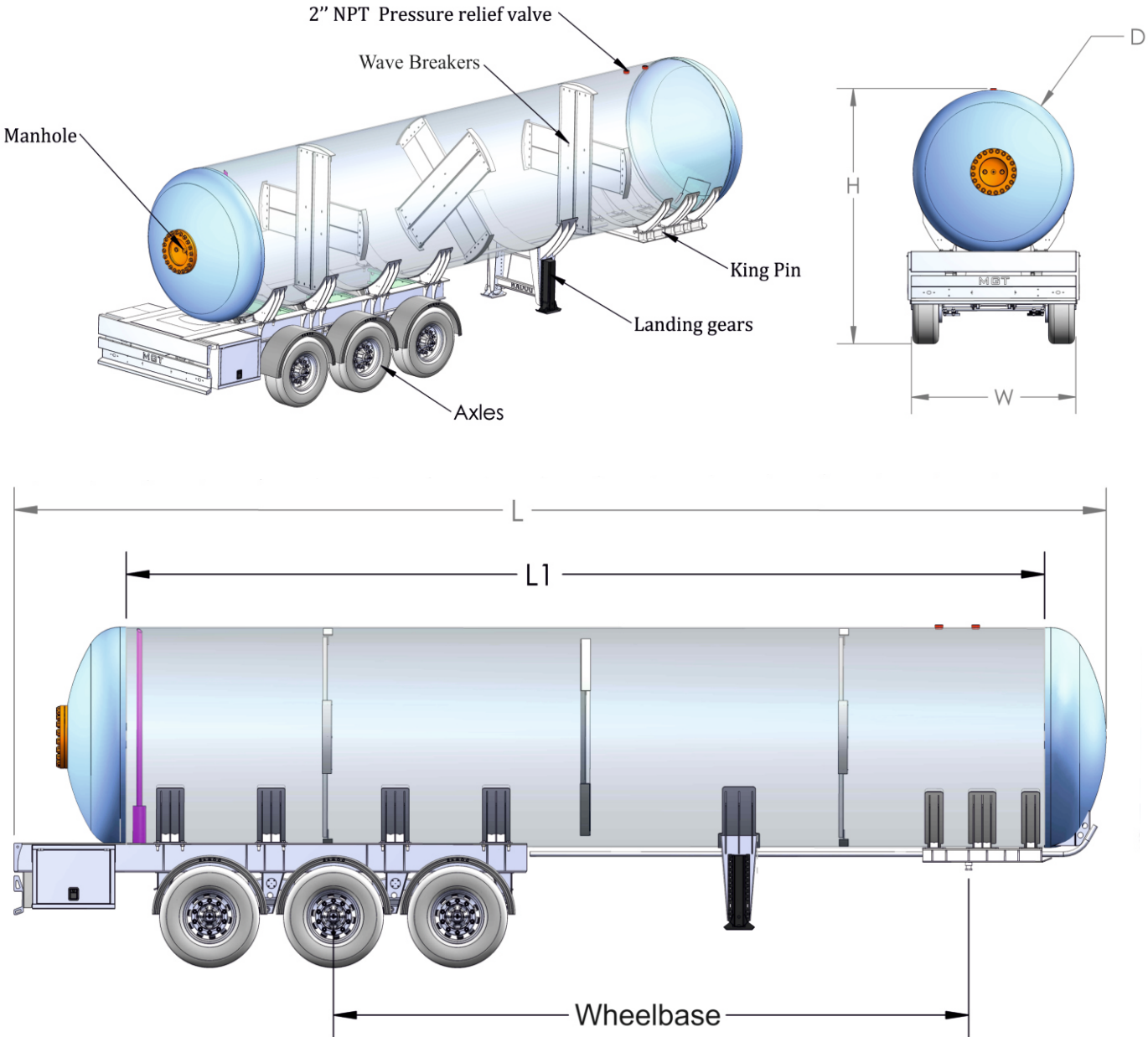
The chassis of semi traler will be done according to ADR

Technical specifications for chassis (Semi -Trailer)

Chassis	Carbon steel ST52
Axles	9, 12, 14 and 16 Ton available,(2 ,3 and 4 axle) available, (DISK, DRUM) available- SAF, BPW ,Turkish brands available
Suspension System	Air Suspension, Mechanical Suspension and all other systems are available
Landing Gear	25 Ton Dynamic , 50 Ton Static - 2 speeds - JOST , SAF, OMS.... Etc
Tires	385/65 R22,5 , 1200 R 24 and all sizes of tires available, Tires Brands (BRIDGESTONE , LASSA,GOODYEAR etc ...)
Rims	R22,5 - R24
King-Pin	DIN Standard 2 " , 3 " available
Brake System	According to standards ADR - WABCCO
Lighting System	According to standard (ADR) - SABA - SERTPLUS
Paint	Sandblasting will be done firstly, 2 layers of epoxy base paint, then 2 layers of paint .
Accessories of Chassis	Spare tire carrier, water tank, fire extinguisher, toolbox ... etc

The unloading system for semi-trailer is different from country to another , the opening system can be by hydraulic valves connected to hydraulic manual pump or can be done by pneumatic actuator monted on ball valve working by air pressure .

The location of unloading system for semi-trailer can be from the back or sides , it depends on client and country that the tank will be used in .



Capacity	Product Code	Density	Tank Filling	Net Mass LPG	Dimensions (mm)				
					D	L1	L	H	W
M3		Kg/m3	85%	Kg					
35	MGT-RT 35-2200-LPG	540	85%	16065	2200	9000	11000	3700	2450
42	MGT-RT 42-2250-LPG	540	85%	19278	2250	10000	12000	3750	2450
46	MGT-RT 46-2200-LPG	540	85%	21114	2200	11500	13500	3700	2450
46	MGT-RT 46-2350-LPG	540	85%	21114	2350	10000	12000	3850	2450
50	MGT-RT 50-2467-LPG	540	85%	22950	2467	10000	12000	3967	2450
57	MGT-RT 57-2467-LPG	540	85%	26163	2467	11500	13500	3967	2450
60	MGT-RT 60-2500-LPG	540	85%	27540	2500	12000	13800	4000	2450

LPG Bobtail Tanks



LPG Bobtails are used for LPG distribution for local delivery.
Capacity ranging between 5-30 m³

Bobtails are assembled on chassis MAN, DAF, Volvo, Mercedes etc. on axles 4×2 (4×4) and 6×2 (6×4, 6×6).

The GVW (Gross Vehicle Weight) of the selected truck should be suitable for total load (gas weight and tank weight).

During selection the capacity and diameter for tank, the chassis length (CE : Cab to End) should be taken into account

This system provided with Unloading ,Transferring and Metering system and all needed safety relief valves.

The welding tests that can be done for tank: UT (Ultrasonic Test) and RT (RadiographicTest) for joints,BT Test will be done for welded flanges.

The hydrostatic test will be done by water pressure according to code by THIRD PARTY

This system has three options for connecting pump to truck:

1. LPG pump with hydraulic motor connected to truck's PTO
2. LPG pump with the direct coupling (shaft) to truck's PTO
3. LPG pump with electric motor

LPG Bobtail Tanks



Design parameters for bobtail tank (Pressure Vessel)	
Design Code	AD 2000 MERKBALTTER, EN 12493 ,EN 13445 ,ASME CODE and other codes
Capacity	(5 - 30 m3)
Body Type	Horizontal, Cylindrical
Heads Type	Elliptical or Hemispherical , Heat treatment 600 C °
Material	SA 516 Gr 70 / EN-10028.3 (P355NH-P355NL1) / EN-10028.2 (P355GH-P265GH)
Design Temperature	(-20 C° / +70 C°)
Design Pressure	17,1 - 18 BAR
Test Pressure	26,25 - 27.5 BAR
Welding	SAW -Submerged Arc Welding
Piping	SCH80 seamless pipes
Tests	UT (Ultrasonic Test) - X-Ray : RT (RadiographicTest) - BT (Beta Test), Hydrostatic Test
Paint	Sandblasting will be done firstly, 2 layers of epoxy base paint, then 2 layers of paint .

List of accessories can be used for Bobtail Tank
Flow meter (size : 2 " , 2.5 " , 3 ") mechanical or electronic , metering by LT or KG
LPG pump (with hydraulic motor to truck's PTO or direct coupling (shaft) to truck's PTO or pump with electric motor)
Hose reel and 25 m hose provided with 1 ¼ " filling head - air motor for pulling back hose will provided
2 " , 1 ¼ " , 1/2 " Pressure Relief Valve for tank and piping
DN50 - 2 " Pneumatic Actuator Valve
2" Hydraulic Excess Flow Valve
1 LT Hydraulic operator
Magnetic or Mechanical Level Indicator
1 ¼ " Double Check Filler Valves- Filling Head
1 " Bypass
Manometer (0 - 40 bar)
Thermometer (-20 / +70 C °)
DN50 PN40 - 2 " Monoblock Ball Valve
DN50 PN40 - 2 " Strainer Valve
3 ¼ " - 2 " Acme Cap + Nipple
2 ¼ " - 1 ¼ " Acme Cap + Nipple

Capacity	Product Code	Density	Tank Filling	Net Mass LPG
M3		Kg/m3	85%	Kg
10	MGT-BT 10-LPG	540	85%	4590
12	MGT-BT 12-LPG	540	85%	5508
14	MGT-BT 14-LPG	540	85%	6426
18	MGT-BT 18-LPG	540	85%	8262
20	MGT-BT 20-LPG	540	85%	9180
24	MGT-BT 24-LPG	540	85%	11016
30	MGT-BT 30-LPG	540	85%	13770

LPG Storage Tanks

Storage tanks can be aboveground or underground according the nature of use, this depend on the request of client.

Capacity that can be done in our factory ranging from 0,5 -500 m³ where the capacity of industrial big storage tanks ranging between 10-500 m³.

And the capacity of domestic small tanks ranging between 0,5-10 m³, the domestic small tanks can be horizontal or vertical according to request



Design parameters for storage tanks (Pressure Vessel)

Design Code	AD 2000 MERKBALTTER, EN 12493 ,EN 13445 ,ASME CODE and other codes
Capacity	(0,5 m ³ - 500 m ³) According to request
Body Type	Horizontal, Cylindrical
Heads Type	Elliptical or Hemispherical , Heat treatment 600 C °
Material	SA 516 Gr 70 / EN-10028.3 (P355NH-P355NL1) / EN-10028.2 (P355GH)
Design Temperature	-20 C ° / +70 C °
Design Pressure	17,1 - 18 BAR
Test Pressure	26,25 - 27.5 BAR
Welding	SAW -Submerged Arc Welding
Tests	UT (Ultrasonic Test) - X-Ray: RT (RadiographicTest) - BT (Beta Test), Hydrostatic Test

List of accessories can be used

Industrial Storage Tanks (10-500) m ³	Domestic Small Tanks (0,5-10) m ³
External Pressure Relief Valve + Checklock / Relief Valve Assemblies	External Pressure Relief Valve + Checklock
Excess Flow Valve	Multivalve M.NGT
Hydraulic Excess Flow Valve	Double Check Filler Valves- Filling Head
Magnetic or Mechanical Level Indicator	Magnetic Level Indicator
Manometer (0-40 bar)	Manometer (0-40 bar)
Thermometer (-20/ +70 C °)	Thermometer (-20/ +70 C °)

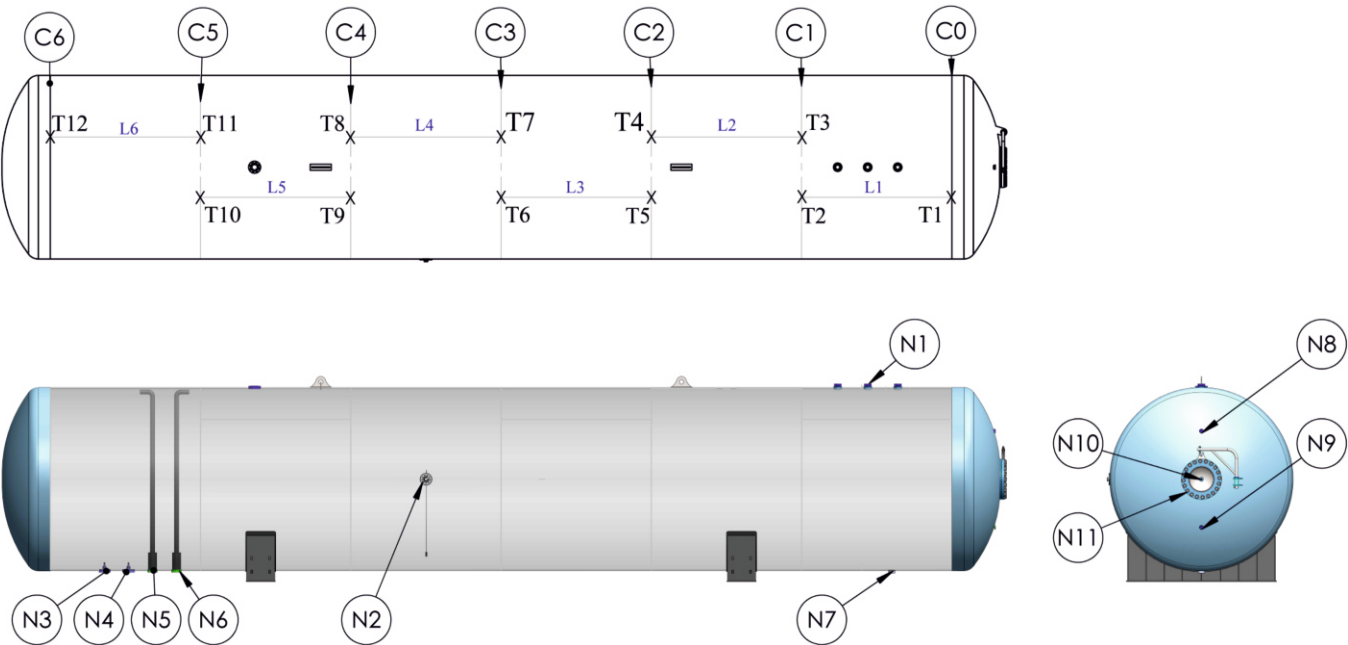
Finishing:

Shot-blasting of the whole outer surface of the tank, application of high protection capacity epoxy-polyamide primer and top coat of white or black polyurethane depending on whether the tank is aboveground or underground.

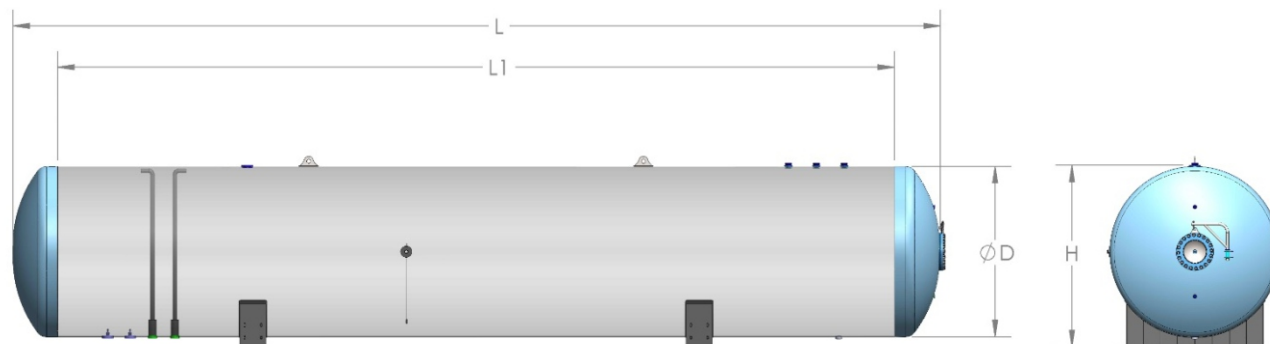
In case of the tank underground special finishes will be done: "thick coat" highly resistant to impacts.

Valves and Nozzles:

As shown down in the tables all nozzles inlet, outlet and phase pipe flanges will be done according to standard DN or other standards, if there is any changing according to the nature of work in the plant, in this case the client has to provide all details to be done according to his request.



Nozzle No	Size
N1	2 ½ " , 2 " , 1 ¼ " or 1 " NPT Pressure relief valve (According to tank capacity)
N2	8 " Dia - Magnetic level indicator gauge (Optional)
N3	DN80 PN40 Block flange
N4	DN80 PN40 Block flange
N5	DN50 PN40 Block flange
N6	DN50 PN40 Block flange
N7	DN 32 PN40 Drain block flange
N8	½ " Manometer nozzle
N9	½ " Thermometer nozzle
N10	1" NPT Mechanical level indicator nozzle
N11	18" – DN450 Manhole



Capacity	Product Code	Density	Tank filling	Net Mass LPG	Dimensions (mm)			
M3		Kg/m3	85%	Kg	D	L1	L	H
1	MGT-ST 1-1000 - LPG	540	85%	459	1000	1000	1600	1100
2	MGT-ST 2-1200 - LPG	540	85%	918	1200	1500	2200	1350
5	MGT-ST 5-1600 - LPG	540	85%	2295	1600	2250	3250	1750
10	MGT-ST 10-1600 - LPG	540	85%	4590	1600	4500	5500	1750
10	MGT-ST 10-1900 - LPG	540	85%	4590	1900	3000	4100	2050
10	MGT-ST 10-2050 - LPG	540	85%	4590	2050	2500	3700	2200
10	MGT-ST 10-2200 - LPG	540	85%	4590	2200	2000	3200	2350
14	MGT-ST 14-1900- LPG	540	85%	6426	1900	4500	5600	2050
16	MGT-ST 16-2200 - LPG	540	85%	7344	2200	3500	4700	2350
20	MGT-ST 20-1900 - LPG	540	85%	9180	1900	6500	7600	2050
20	MGT-ST 20-2200 - LPG	540	85%	9180	2200	4750	5950	2350
25	MGT-ST 25-1900 - LPG	540	85%	11475	1900	8500	9600	2050
25	MGT-ST 25-2200 - LPG	540	85%	11475	2200	6000	7200	2350
30	MGT-ST 30-1900 - LPG	540	85%	13770	1900	10000	11100	2050
30	MGT-ST 30-2200 - LPG	540	85%	13770	2200	7500	8700	2350
35	MGT-ST 35-2200 - LPG	540	85%	16065	2200	8750	9950	2350
42	MGT-ST 42-2200 - LPG	540	85%	19278	2200	10500	11700	2350
50	MGT-ST 50-2250 - LPG	540	85%	22950	2250	12000	13300	2400
60	MGT-ST 60-2500 - LPG	540	85%	27540	2500	11500	12900	2650
70	MGT-ST 70-3000 - LPG	540	85%	32130	3000	9000	10650	3200
80	MGT-ST 80-3000 - LPG	540	85%	36720	3000	10500	12150	3200
100	MGT-ST 100-3050 - LPG	540	85%	45900	3050	13000	14650	3250
110	MGT-ST 110-3050 - LPG	540	85%	50490	3050	14000	15650	3250
116	MGT-ST 116-3050 - LPG	540	85%	53244	3050	15000	16650	3250
120	MGT-ST 120-3050 - LPG	540	85%	55080	3050	15500	17150	3250
120	MGT-ST 120-3200 - LPG	540	85%	55080	3200	14000	15800	3400
124	MGT-ST 124-3050 - LPG	540	85%	56916	3050	16000	17650	3250
130	MGT-ST 130-3050 - LPG	540	85%	59670	3050	17000	18650	3250
130	MGT-ST 130-3150 - LPG	540	85%	59670	3150	16000	17800	3350
150	MGT-ST 150-3150 - LPG	540	85%	68850	3150	18500	20300	3350
155	MGT-ST 155-3400 - LPG	540	85%	71145	3400	16000	18000	3650
180	MGT-ST 180-3500 - LPG	540	85%	82620	3500	18000	20000	3750
180	MGT-ST 180-3800 - LPG	540	85%	82620	3800	15000	17200	4100
200	MGT-ST 200-3500 - LPG	540	85%	91800	3500	20000	22000	3750
200	MGT-ST 200-3800 - LPG	540	85%	91800	3800	17000	19200	4100
250	MGT-ST 250-3500 - LPG	540	85%	114750	3500	25500	27500	3750
250	MGT-ST 250-3800 - LPG	540	85%	114750	3800	21300	23500	4100

LPG Skid Autogas Filling Station



Simple Skid:

LPG Skid Station (Autogas Filling Station), it is a mobile station built on a steel chassis used for filling cars or gas cylinders.

Dispenser single or double nozzle can be used for filling cars or gas cylinders, the dispenser can measure by (LT) or (kg - mass flow)

The scales used for filling gas cylinders, the scales can be mechanical or electronic (digital)

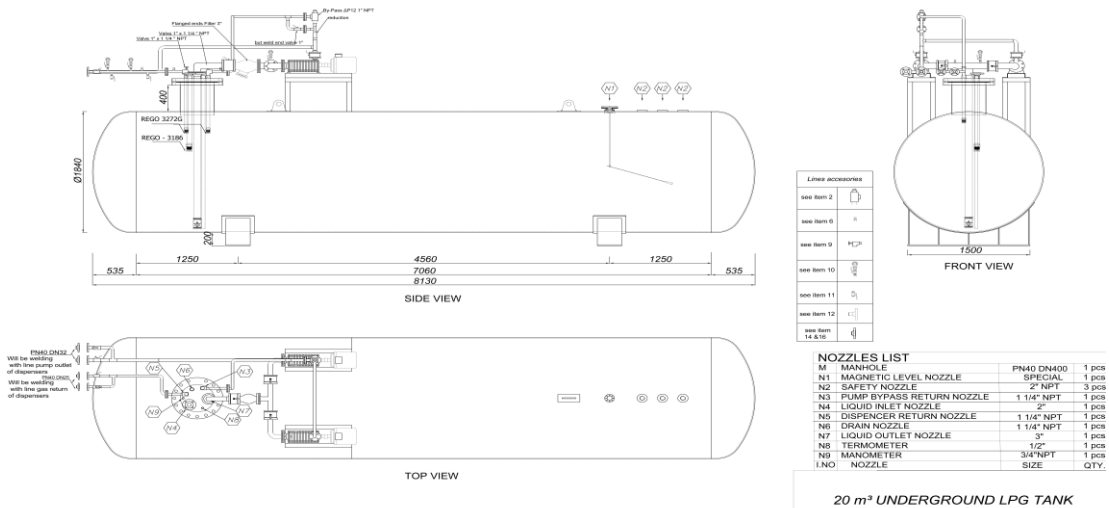
The welding tests that can be done: UT (Ultrasonic Test) and RT (Radiographic Test) for joints, BT Test will be done for welded flanges

The hydrostatic test will be done by water pressure according to code by THIRD PARTY

Skid with automation system:

This kind of skids is provided with a tank gauging system. In this case, the skid will be automated by adding automation devices: gauging probe, software connected to PC...etc. This software connected to this system can show all needed reports for the user, like daily report, shift report, density, gas level in the tank...etc

The system is provided with a high safety shut-down system by adding sensors around the station. These sensors are connected to an electronic panel. In case of gas leakage from the system, the gas sensor will give the order to the system to shut down by closing the pneumatic valves and the LPG pump that is connected to this system.



20 m³ UNDERGROUND LPG TANK

Design parameters for skid tank (Pressure Vessel)

Design Code	AD 2000 MERKBALTTER, EN 12493 ,EN 13445 ,ASME CODE and other codes
Capacity	(5 - 100 m3)
Body Type	Horizontal, Cylindrical
Heads Type	Elliptical or Hemispherical , Heat treatment 600 C °
Material	SA 516 Gr 70 / EN-10028.3 (P355NH-P355NL1) / EN-10028.2 (P355GH-P265GH)
Design Temperature	(-20 C° / +70 C°)
Design Pressure	17,1 - 18 BAR
Test Pressure	26,25 - 27.5 BAR
Welding	SAW -Submerged Arc Welding
Piping	SCH80 seamless pipes
Tests	UT (Ultrasonic Test) - X-Ray :RT (RadiographicTest) - BT (Beta Test), Hydrostatic Test
Paint	Sandblasting will be done firstly, 2 layers of epoxy base paint, then 2 layers of paint .

List of accessories can be used for skid

Dispenser : Single or double nozzle, working with LT or KG (Mass flow)
LPG pump : 8 stages: inlet DN65/ outlet DN32 , with ex-proof motor 4,5 kw
Mechanical and Electronic (Dijital) Scales are available
2 " , 1 ¼ " , 1/2 " Pressure Relief Valve
DN50 - 2 " Pneumatic Actuator Valve
Magnetic or Mechanical Level Indicator
1 ¼ " Double Check Filler Valves- filling head
1 " Bypass
Manometer (0 - 40 bar)
Thermometer (-20 / +70 C °)
DN50 PN40 - 2 " Monoblock Ball Valve
DN50 PN40 - 2 " Strainer Valve
DN25 - 1 " Drain Line
3 ¼ " - 2 " Acme Cap + Nipple
2 ¼ " - 1 ¼ " Acme Cap + Nipple
Gauging Probe

Capacity	Product Code	Density	Tank Filling	Net Mass LPG
M3		Kg/m3	85%	Kg
5	MGT-SK 5-LPG	540	85%	2295
10	MGT-SK 10-LPG	540	85%	4590
15	MGT-SK 15-LPG	540	85%	6885
20	MGT-SK 20-LPG	540	85%	9180
25	MGT-SK 25-LPG	540	85%	11475
30	MGT-SK 30-LPG	540	85%	13770
35	MGT-SK 35-LPG	540	85%	16065

The company has the ability to install all kind of gas filling station

LPG Filling plants for filling LPG cylinders

Auto LPG Filling Stations for filling LPG cars

LPG Filling cylinders plants are filling carrousel with scales from 8 to 36 scales or in line stationary filling scales can fill gas cylinders with capacity ranging from 3 to 48 kg according to request.

The type of carrousel scales can be mechanic or electronic

These filling plants provided with complete system : piping, valves, conveyors, LPG pumps, gas compressor, strainers, By-pass – check valves, safety equipments, Gas leak detection system etc.

The company has the ability to execute the air system needed for plant included all needed equipment's: air compressor, air filter, air pipings and all air fittings.

The company has the ability to execute the firefighting system needed for plant included all needed equipment's: water pump, firefighting pipings and Fire extinguisher.



LPG flow meter

- Used for unloading systems in bobtails and road semi –trailer.
- There are many kinds of flow meters



LC - Mechanical Flow Meter



LC- Electronic Flow Meter



Mass Flow Meter

Lpg Dispenser

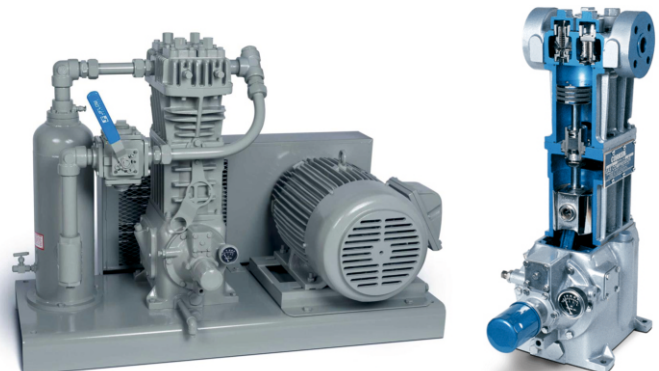
The dispenser used mostly to be mounted for skid auto gas mini filling stations .
Can be used for filling car or filling gas cylinder when providing special filling head
It can be with single or double nozzle.
Dispenser can measure by Liter or KG (Mass flow).



LPG/ NH3 Gas Compressor

- Set Model : CORKEN 491-107
- Max capacity 60 m3/h
- Provided with 11 kw ex-proof motor
- Country of Origin : America (U.S.A)

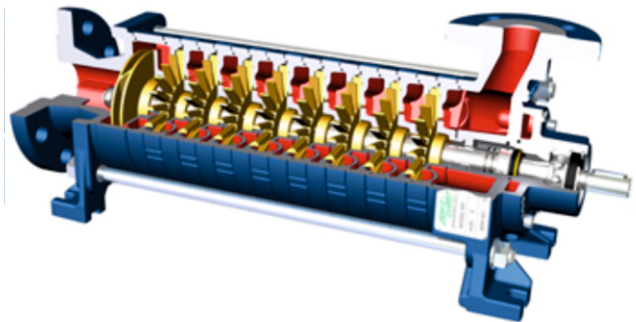
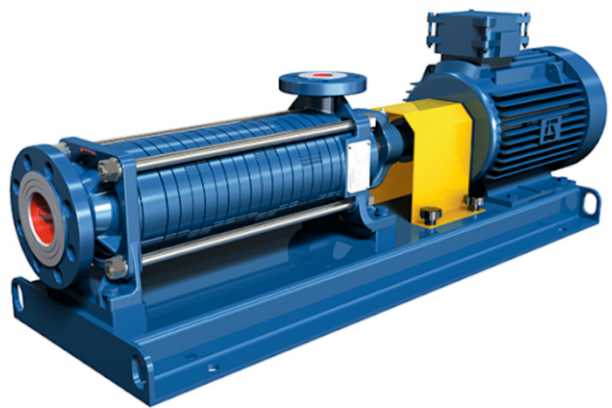
Also the Turkish brand are available for this kind of compressors.



LPG Pumps

LPG Centrifugal Stages Transfer Pump

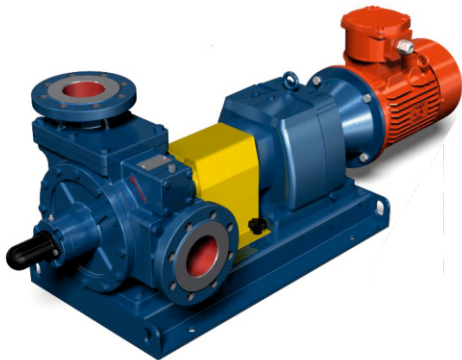
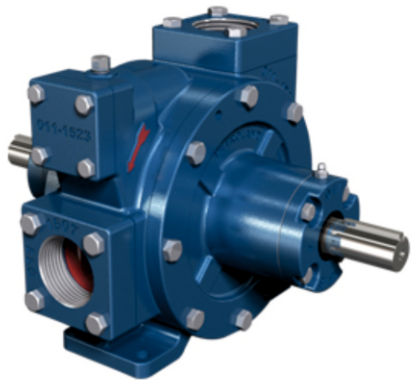
This kind of pumps are horizontal and self-priming, side channel. Consists of many stages 6 stage – 8 stages depends on the nature of work.



Capacity	Inlet	Outlet	Number of stages	Motor
7,5 m3/h	DN65	DN32	8	4 kW - 1450 rpm Ex-Proof 3P-50Hz
9 m3/h	DN80	DN40	8	7,5 kW - 1450 rpm Ex-Proof 3P-50Hz
14 m3/h	DN100	DN50	6	15 kW - 1450 rpm Ex-Proof 3P-50Hz
28 m3/h	DN100	DN65	8	30 kW - 1450 rpm Ex-Proof 3P-50Hz

Sliding Vane Pumps

- These vane pumps can be coupling with V-Belt, Hydro motor or Gearbox
- Connection type options are ANSI & DIN Flange or BSP&NPT threaded connection
- V-Belt coupling mostly used for truck application to less space
- Hydromotor coupling is mostly used where the no electric



With Reducer Coupling



With V-belt



With Hydro Motor Coupling

Filling Carousel system

Carrousel system ranging from 8 to 36 scales, in line stationary filling scales ranging from 6 to 20 scales or more will be side by side. Carrousel scales can be mechanic or electronic.

- Carousel Filling Capacity for 6 scales : 300-400 cylinders/hour
- Carousel Filling Capacity for 12 scales : 600-700 cylinders/hour
- Carousel Filling Capacity for 18 scales : 900-1000 cylinders/hour
- Carousel Filling Capacity for 24 scales : 1100-1200 cylinders/hour
- Carousel Filling Capacity for 30 scales : 1400-1500 cylinders/hour
- Carousel Filling Capacity for 36 scales : 1600-1800 cylinders/hour



Safety relief valve

Safety pressure relief valve is necessary part in the tank. There are many kinds of safety valves depends on the type of tanks. External Pressure Relief Valve + Relief Valve Assemblies used for storage tanks and Transport Pressure Relief Valve used for road tanks , semi-trailer and bobtail. The design pressure for safety valves depends on the type of tank and design code and ranging between 17,1 – 22 bar .

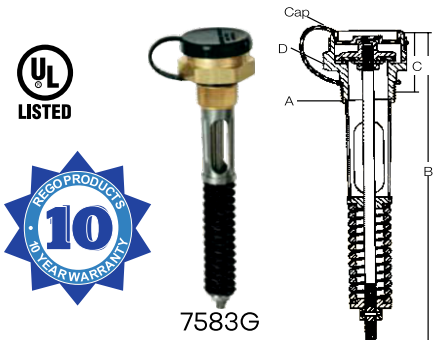
Semi-Internal "Pop-Action" Pressure Relief Valves for ASME Portable Containers 7583, 8684 and 8685 Series

Application

Designed for use as a primary relief valve on ASME containers such as 250, 500 and 1,000 gallon tanks. Underwriters' Laboratories lists containers systems on which these types of valves are mounted outside the hood without additional protection, if mounted near the hood and fitted with a protective cap.

Features

- Constructed of non-corrosive materials.
- "Pop-action" design keeps product loss at a minimum.
- ASME rated for use with LP-Gas.
- Request RegO Relief Valves on all your original equipment ASME containers for reliable performance.



Ordering Information

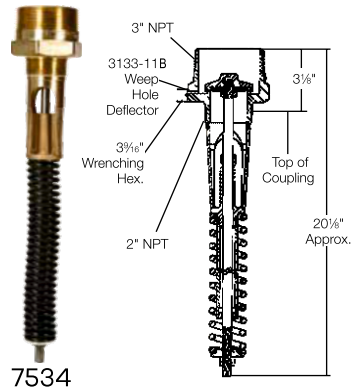
Part Number	Start To Discharge Setting PSIG	A Container Connection M. NPT	B Overall Height (Approx.)	C Height Above Coupling (Approx.)	D Wrench Hex Section	Flow Capacity SCFM/Air		Protective Cap (Included)
						UL (At 120% of Set Pressure)	ASME (At 120% of Set Pressure)	
7583G	250	¾"	8⅞"	1⅞"	1¾"	1980	1806	7583-40X
8684G		1"	9⅞"	1⅞"	1⅞"	2620	2565	8684-40
8685G		1¼"	11⅞"	1⅞"	2 ⅜"	4385	4035	7585-40X

Application

Designed especially for use as a primary relief valve on large stationary storage containers, these low profile relief valves are generally mounted in half couplings. However, they are designed so that the inlet ports clear the bottom of a full 2" coupling. This ensures that the relief valve should always be capable of maximum flow under emergency conditions.

Features

- High capacity, low turbulence design has a maximum guiding area providing for dependable shut-off after opening.
- Built-in spring stop limits the rise of the seat in full open position and prevents the spring from going "solid."
- External 3" NPT threaded body allows easy attachment of vent stacks. Optional pipeaway adapter has break-off groove to prevent damage to the relief valve should piping be stressed by damaging winds.
- "Pop-Action" design keeps product loss at a minimum.
- No guiding projections around the seat disc retainer to bind and hinder opening of valve if body is damaged.



Materials	
Body.....	Brass
Spring.....	Steel
Stem.....	Stainless Steel
Seat Disc.....	Resilient Rubber

Ordering Information

Part Number	Start To Discharge Setting PSIG	Container Connection M. NPT	Flow Capacity SCFM/Air*		Accessories	
			UL (At 120% of Set Pressure)	ASME (At 120% of Set Pressure)	Protective Cap	Pipeaway Adapter
7534B	125	2"	6,025	-	7534-40X	7534-20**
7534G***	250		11,675	10,422		



“Pop-Action” Pressure Relief Valves

General Information

The “Pop-Action” design permits the RegO Pressure Relief Valve to open slightly to relieve moderately excessive pressure in the container. When pressure increases beyond a predetermined point, the valve is designed to “pop” open to its full discharge capacity, reducing excess pressure quickly. This is a distinct advantage over ordinary valves which open gradually over their entire range, allowing excessive pressure to develop before the relief valve is fully open. All RegO internal, semiinternal, and external relief valves incorporate this “Pop-Action” design.

Fully Internal “Pop-Action” Pressure Relief Valves for Transports and Bobtail Delivery Vehicles A8434 and A8436 Series

Application

Designed specifically for use as a primary relief valve on ASME cargotanks for transportation and bobtails with 2” and 3” F.NPT couplings.

Features

- Low profile design ensures maximum protection against shearing or distortion.
- All functioning parts are located below the level of the container connection to reduce the possibility of damage or tampering.
- Longer spring size designed to minimize stress cracking in service.
- Use of two different materials for stem and guide minimizes the possibility of stem seizure which may occur when similar materials are used.
- Internal octagonal wrenching broach ensures easy installation and removal.
- ASME rated for use with LP-Gas and anhydrous ammonia

A8434 and A8436 Series

- ASME rated for use with LP-Gas and Propylene VA8436 Series

Materials

Body.....	Stainless Steel
Spring.....	Stainless Steel
Stem.....	Stainless Steel
Stem Bushing.....	17 - 4PH Stainless Steel
Seat Disc (A8434 & A8436 series).....	Resilient Synthetic Rubber
Seat Disc (VA8436 series).....	Viton



A8434-SERIES

Ordering Information

	Start To Discharge Setting PSIG	A Container Connection	B Overall Height (Approx.)	C Height Above Coupling (Approx.)	UL (At 120% of Set Pressure)	ASME (At 120% of Set Pressure)	LP-Gas	NH3	Propylene	Protective Cap (Included)		
Part Number												
A8434G	250	2" M. NPT	9 1/16"	1/2"	3700	3456	Yes	Yes	No	A8434-11B		
A8434N	265					3659						
A8436G	250	3" M. NPT	17 7/8"	3/4"	10210	9598				No	Yes	A8436-11B
A8436N	265					9839						
VA8436G	250				-	9596						
VA8436N	265					9839						



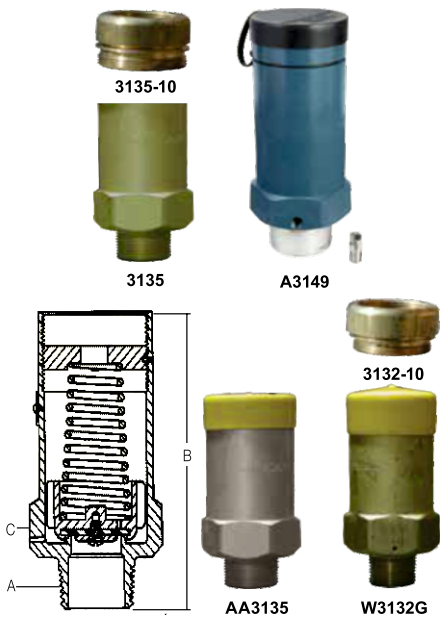
External "Pop-Action" Pressure Relief Valves for ASME Containers and Bulk Plant Installations AA3126, AA3130, 3131, 3132, 3133, 3135, AA3135, and A3149 Series

Application

Designed for use as a primary relief valve on ASME above ground and underground containers, bulk plant installations and skid tanks. The 3131 Series may also be used as a primary or secondary relief valve on DOT cylinders, or as a hydrostatic relief valve. All working components of these relief valves are outside the container connection, so the valves must be protected from physical damage.

Features

- "Pop-action" design keeps product loss at a minimum.
- Relief valve designed to automatically reseal firmly after discharge.
- Resilient seat disc provides "bubble-tight" seal.
- 3149 relief valves incorporate integral pipeaway adapter with break off groove that protects the valve from piping stress damage.
- Optional pipeaway adapters have grooves that will break off to protect the relief valve from damage should excess stress be applied to the piping.
- 3149 relief valves include weep hole deflectors, installed to guard against flame impingement on adjacent containers.
- ASME rated for use with LP-Gas and anhydrous ammonia.



Materials

Description	3131, 3132, 3133, 3135	AA3126 AA3130	AA3135	A3149
Body	Brass	Aluminum Rod*		Upper Cold Rolled Steel Lower Ductile Iron
Liner		None		Stainless Steel
Spring Guide	Brass	Aluminum		Stainless Steel
Spring	Corrosion Resistant Steel	Stainless Steel		Stainless Steel or Coated Steel
Seat Disc				Resilient Synthetic Rubber



Ordering Information

Part Number	Start To Discharge Setting PSIG	A Container Connection M. NPT	B Overall Height (Approx.)	C Wrench Hex Section	Flow Capacity SCFM/Air (a)		Accessories				
					UL (At 120% of Set Pressure)	ASME (At 120% of Set Pressure)	Protective Cap	Pipeaway Adapter		Weep Hole Deflector	
								Part Number	Outlet Size		
AA3126L030	30	½"	2¾"	⅞"	(b)	-	9103-54	AA3126-10	½" M. NPT	-	
A3149L055	55	2½"	10½"	4⅞"	2608(c)	-	3149-40	(h)		Included (j)	
A3149L200	200				8770 (c)	-					
AA3126L250	250	½"	2¾"	⅞"	277 (c)	-	9103-54	AA3126-10	½" M. NPT	3133-11	
3131G		¾"	3 ⅞"	1¾"	2060	1939	3131-41 (g)	-	-		
AA3130UA250					2045	1838	11557-110	AA3131-10	1" F. NPT		
W3132G		1"	6 ½ ² "	2⅜"	3340	-	3132-54 (g)	3132-10	1¼" F. NPT		
3132G					4130	-		-	-		
T3132G		3790			-	3132-10		1¼" F. NPT			
MV3132G		3995			-	-		-			
3135G		5 ⅞ ² "			2 ⅞ ¹⁰ "	5770	-	3135-54 (g)	3135-10		2" F. NPT
AA3135UA250						6 ⅜ ³² "	6430	6341	AA3135-40PR		
3133G		1½"	5 ⅝ ¹⁶ "	3⅜"	6080	-	3133-54 (g)	3133-10	(h)	Included (j)	
A3149MG		2½"	10½"	4⅞"	10390	-	3149-40				
A3149G						9153					
AA3130UA265	265	¾"	3 ⅞ ¹⁶ "	1¾"	2125	1912	11557-110	AA3131-10	1" F. NPT	-	
AA3135UA265		1¼"	6 ⅝ ³² "	2 ⅞ ¹⁶ "	6615	6703	AA3135-40PR	AA3135-10	2" F. NPT	3133-11	
AA3126L312	312	½"	2¾"	⅞"	330 (c)	-	9103-54	AA3126-10	½" M. NPT	-	

Multiport™ Pressure Relief Valve Manifold Assemblies

for Large Storage Containers A8560, A8570 and AA8570 Series

Application

Designed especially for use as a primary relief device on largestationary pressurized storage containers with flanged openings. These manifolds incorporate an additional relief valve, not included in the flow rating, allowing for servicing or replacement of any one of the relief valves without evacuating the container. The handwheel on the manifold selectively closes off the entrance port to the relief valve being removed while the remaining relief valves provide protection for the container and its contents. All manifold flow ratings are based on flow through the relief valves after one has been removed for service or replacement.

Application

- Allows for relief valve removal and replacement on a periodic basis without shutting down and evacuating the container.
- “Pop-action” design of relief valves insures maximum protection with only minimal product loss at moderately excessive pressures.
- A rubber plug with chain is provided to protect manifold outlet threads where the relief valve has been removed.
- May be mounted directly to a welding neck flange or manhole cover plate. Requires no inlet piping.
- Relief valves designed to automatically reseal firmly after discharge.
- Resilient relief valve seat disc provides “bubble-tight” seal.
- Relief valves are ASME rated for use with LP-Gas and anhydrous ammonia.

Materials

Body.....	Ductile Iron
Resilient Parts.....	Teflon
Clapper Disc.....	Stainless Steel
Bleeder Valve.....	Stainless Steel

Bolt Stud and Nut Assemblies

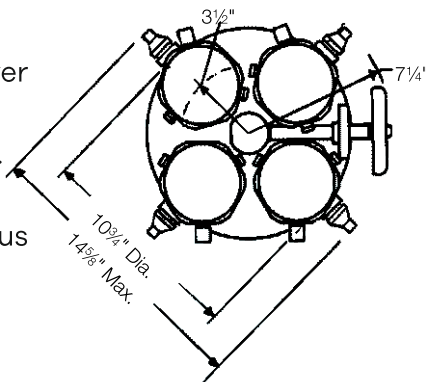
Part Number	Consists of	For Use With:	For Connection To:	Number Required
7560-55	1-Bolt Stud and Nut	All RegO Multiports™	Modified 3" - 300# and 4"-ANSI 300# Welding Neck Flange	8
7560-56			Manhole Cover Plate	

Relief Valve Materials

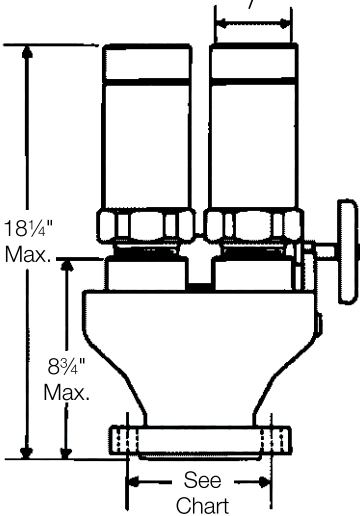
Description	A8563, A8564, A8573, A8574
Body	Upper Cold Rolled Steel Lower Ductile Iron
Liner	Stainless Steel
Spring Guide	Stainless Steel
Spring	Coated Steel
Seat Disc	Resilient Synthetic Rubber



A8570



Pipe-Away Section
Will Accept 3" NPT Pipe



Gas Level Indicator



Gas level indicator used to show the gas level inside the tanks. There are 2 kinds of gas level indicator, 1" NPT Mechanical or Magnetic.

1" Rotogages® for Large Mobile and Stationary Containers A9090 Series

Application

Rotogages® are designed to provide an accurate determination of LP-Gas or anhydrous ammonia container contents. They mount in a standard 1" NPT coupling on large mobile or stationary containers.

To operate the Rotogages®, the vent valve is opened and the dip tube rotated slowly from the container vapor space to the liquid space. The difference in appearance of the discharge indicates when the liquid level is reached. Dial readings then indicate the percentage of product in the container.

Features

- Supported design (TS Models) eliminates whipping and the need for internal support hangers.
- Resistance-free nylon bearing inserts reduce friction and promote operating ease.
- Dial face is dual calibrated to provide greater accuracy in reading contents in containers which are not level.
- Interchangeable accessory dials permit interchangeable service between LP-Gas and anhydrous ammonia.

Materials

Body.....	Steel
Stem.....	Steel
Dip Tube.....	Seamless Steel
Indicator.....	Malleable Iron
Dial Plate.....	Aluminium
Vent Stem.....	Stainless Steel

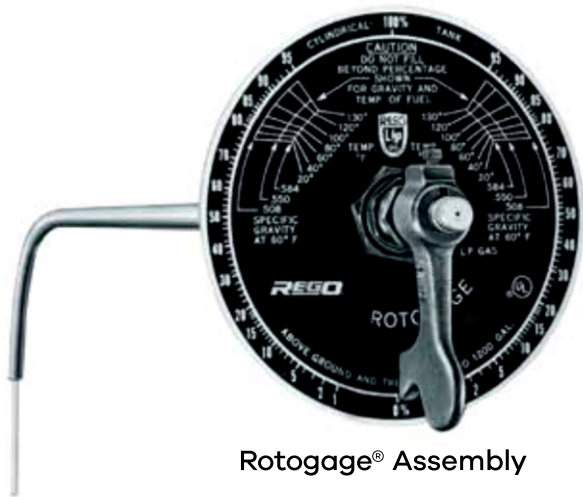
Tubes for use with A9090 Series Rotogages
Cut to length required.

Service	Part Number
Up to 48"	A9091-M24.0
Up to 72"	A9091-M36.0
Up to 96"	A9091-M48.0
Up to 120"	A9091-M60.0
Up to 144"	A9091-M72.0

Rotogage® Dials

Ordering Information

Part Number	Service	Container Size
A9091-18L	LP-Gas	All Sizes
A9091-18LX*	LP-Gas	Over 1200 U.S. gallons
A9091-18N	NH ₃	All Sizes



Rotogage® Assembly



A9091-18LX

This kind of indicators used for big tanks

8" DIA used for big storage tanks and 4" DIA used for road tanks; semi-trailer and bobtails.

Magnetel® Robogauge Level Gauge 1" NPT

Application

For mobile or stationary applications with manway. Make the change from your 1" NPT rotary type gauges to a direct-reading float gauge without tank alterations.

Features

LPG and NH₃ tanks can change over to a direct reading float gauge by using Rochester Gauges ROBOGAUGE.

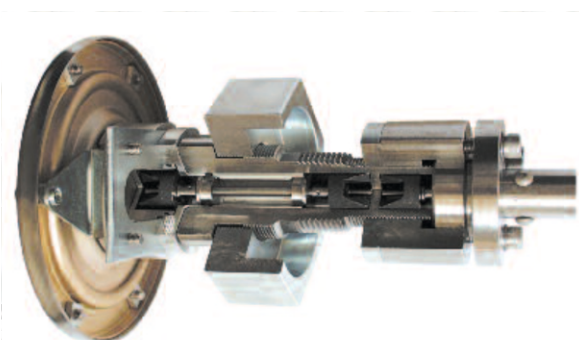
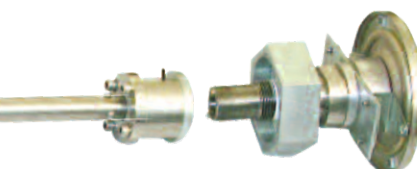
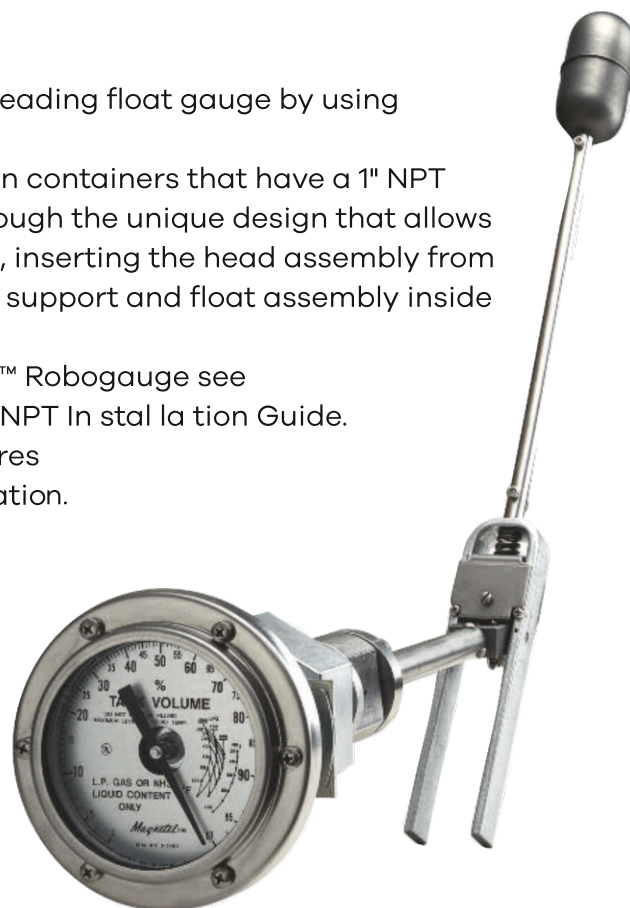
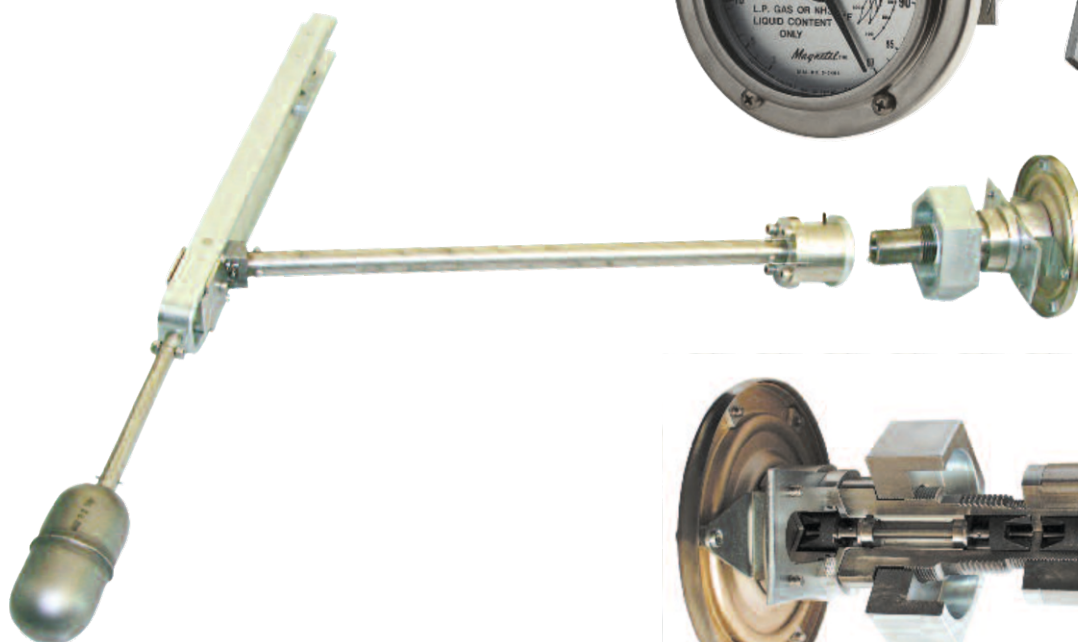
This direct reading float gauge can be mounted in containers that have a 1" NPT opening and a manway. This is accomplished through the unique design that allows the gauge to be disassembled into two segments, inserting the head assembly from the outside of the container, then reattaching the support and float assembly inside the container.

For instructions on how to install the Magnetel™ Robogauge see

#115-1212 Magnetel™ Robogauge Level Gauge 1" NPT Installation Guide.

NOTE: The heavy duty design of this gauge requires entering vessels through man-way during installation.

Part #	Application	Dial
PPRM-6339-11-XX	Mobile	4"
RC-6342-11-XX	Stationary	8"



Robogauge Cutaway Robogauge Disassembled

This kind of indicators used for small domestic tanks

Magnetic Liquid-Level Gauges for LP Gas Service

Application

Junior gauges are supplied standard with 0015-00007 Buna-N gasket and four 0040-00414 zinc-plated steel mounting bolts (1/4" — 28 x 7/8") for attachment to a gauge adapter with 2.03" [51,5] diameter bolt circle (see installation instructions MS-501/502).

Models 6281 and 6284 Junior gauges used on above ground ASME storage tanks are equipped with R3D® Remote Ready 5909S02733 percentage dials. Model 6281 Junior gauges used on below ground ASME storage tanks are equipped with R3D® Remote Ready 5909S02799 per cent age dials. Models 6241 and 6244 Junior gauges used on ASME motor fuel tanks come with the option of direct read, TwinSite®, or Hall Effect dials.

All gauges in the 6240 series and B6240 series incorporate a stronger magnet necessary to drive remote reading TwinSite® senders in motor fuel applications.

All Senior gauges except models 6290 and 6293 come equipped with 0015- 00004 Buna-N gas kets and four 0040-00415 zinc plated steel mount ing bolts, (5/16" — 24 x 7/8"), for at tach ment to a gauge adapter with 2.5" [63,5] diameter bolt circle (see Roch ester Adapt er Ma chin ing Standard MS-502). Model 6280 and 6283 Senior gauges used on above ground ASME storage tanks are equipped with direct-reading 5001S00001 per cent age di als.

Models 6290 and 6293 Senior gauges with stainless steel heads may be used on above ground hor i zon tal or ver ti cal ASME stor age tanks over 3500 [13250 liters] gallon capacity and are equipped with cap bolts, teflon-filled, stainless steel gas kets, stronger magnets and direct-reading 4" diameter per cent age dials. Tank draw ings must be fur nished for all ver ti cal tanks so we can recommend com put er gen er at ed gauge adapter place ment to cor re spond with an as sort ment of standard dials and dial sets calibrated for vertical tanks.



Junior Models	Description
6281	For top mounting, includes standard magnet to drive direct-reading dials.
6284	Same as 6281, except for side, end, or angle mounting.
6241	For top mounting, includes stronger magnet to drive TwinSite® senders.
6244	For side, end, or angle mounting, otherwise same as 6241.
B6244	Same as 6244, except with brass head.

Senior Models	Description
6280	For top mounting, includes standard magnet to drive direct-reading dials.
6283	Same as 6280, except for side, end, or angle mounting.
6290	For top mounting, includes stronger magnet to drive large 4" dial.
6293	Same as 6290, except for side, end, or angle mounting.

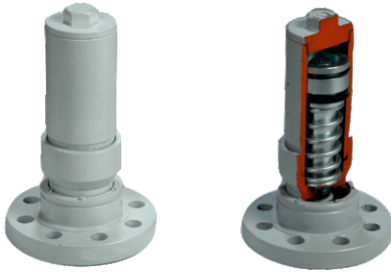
Opening And Closing Valve

The opening and closing valve connected to outlet ,inlet and phase lines can be either Hydraulic or Pneumatic (Actuator)

Hydraulic Valves

They are a group from hydraulic valves , manual hydraulic pump and hydraulic hoses connected the pump to valves.

Open the valves will be done by hydraulic pump by using its pressing the arm



Hydraulic valve	
Size	: DN 50-DN 80 / ASA 50-ASA 80
Design Pressure	: 20 Bar
Opening Process	: Oil pressure
Closing Process	: Spring Pressure



Manual Hydraulic Pump
Capacity : 1 - 3 Lt

Pneumatic (Actuator) Valve

The Pneumatic (Actuator) valves will be connected by air hose to air tank , air filter will be added for this system , the opening and closing the valves can be done by special button (on/off),



Pneumatic (Actuator) valve	
Size	: DN 50 PN40
Opening Process	: Air pressure
Closing Process	: Air Pressure

Excess Flow Valves for Flange Mounting

Designed for mounting in flanged tank connections with internal threads in the bottom of a tank They may be used in filling, withdrawal or vapor equalizing application. They provide high flow capacity with low pressure drop to minimize pump inlet line cavitation.

Excess Flow Valves for Flange Mounting in Container Service A3500 Series and A4500 Series

Application

Designed for mounting in flanged tank connections with internal threads in the bottom of a container. They may be used in filling, withdrawal or vapor equalizing application. They provide high flow capacity with low pressure drop to minimize pump inlet line cavitation.

If a riser pipe to the vapor space is used with these excess flow valves, the minimum inside diameter of the riser pipe must be at least two times the valve thread size in order not to restrict flow to the side inlet ports.

Flange mounted excess flow valves are readily accessible for servicing and completely enclosed and protected in event of fire. Because there is no direct connection between external piping and the valve, stresses imposed on piping will not affect the excess flow valve.

Features

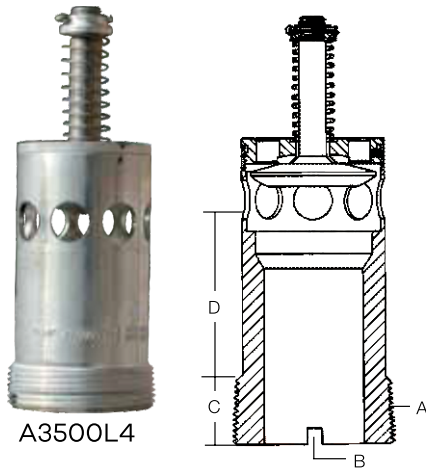
- Precision machined.
- Generous flow channels provide low pressure drop minimizing cavitation in pump suction lines.
- Cotter pin prevents loss of spring retainer due to vibration in service.
- Stainless steel spring provides consistent closing flow and long service life.

Materials

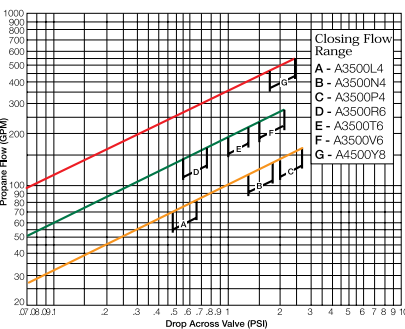
Body.....	Cadmium Plated Steel
Seat Disc.....	Cadmium Plated Steel
Stem.....	Stainless Steel
Spring.....	Stainless Steel
Guide.....	Cadmium Plated Steel

Ordering Information

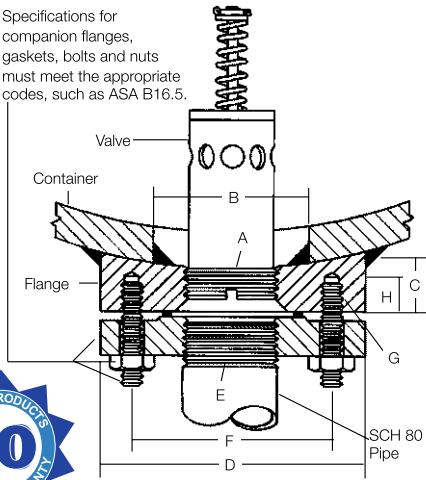
Part Number	A Inlet Connection NPT	B For Installation	C Effective Thread (Approx.)	D Threaded End To Port	Approximate Closing Flows□		
					Liquid (GPM Propane)	Vapor SCFH (Propane)	
						25 PSIG Inlet	100 PSIG Inlet
A3500L4	2"	Slotted Body	¾"	1⅝"	75	13,000	22,500
A3500N4					125	25,000	42,500
A3500P4					150	30,500	52,000
A3500R6	3"		1"	1⅛"	150	32,100	55,500
A3500T6					200	39,400	68,300
A3500V6					250	51,100	88,700
A4500Y8	4"		1⅞"	1⅝"	500	89,000	154,000



Performance



Specifications for companion flanges, gaskets, bolts and nuts must meet the appropriate codes, such as ASA B16.5.



Key No.	Description	A3400L4, A3500L4, A3500N4, A3500P4	A3400L6, A3500R6, A3500T6, A3500V6	A4500Y8
A	Valve Size (NPT)	2"	3"	4"
B	Tank Opening	3 1/2"	4 1/2"	5 1/2"
C	Thickness (min.)	1"	1 1/4"	1 3/8"
D	Outside Diameter	6 1/2"	8 1/4"	10"
E	Pipe Thread (NPT)	2"	3"	4"
F	Bolt Circle Dia.	5"	6 5/8"	7 7/8"
	Number of Bolt Holes	8	8	8
G	Bolt Hole Thread	5/8" - 11 NC - 2	3/4" - 10 NC - 2	3/4" - 10 NC - 2
H	Bolt Hole Thread (min. eff.)	3/4"	1"	1 1/8"

Back Pressure Check Valves for Flanged Installation
A3400L4 and A3400L6

Application

Designed to provide high flow capacity and allow more efficient tank filling than conventional designs. The unobstructed throat area reduces flow turbulence through the valve, thereby reducing pressure drop. Large flow channels and spacious side ports ensure ample capacity for the most demanding high capacity filling operations. The valve is designed for installation in internally threaded flanges in container bottoms.

Features

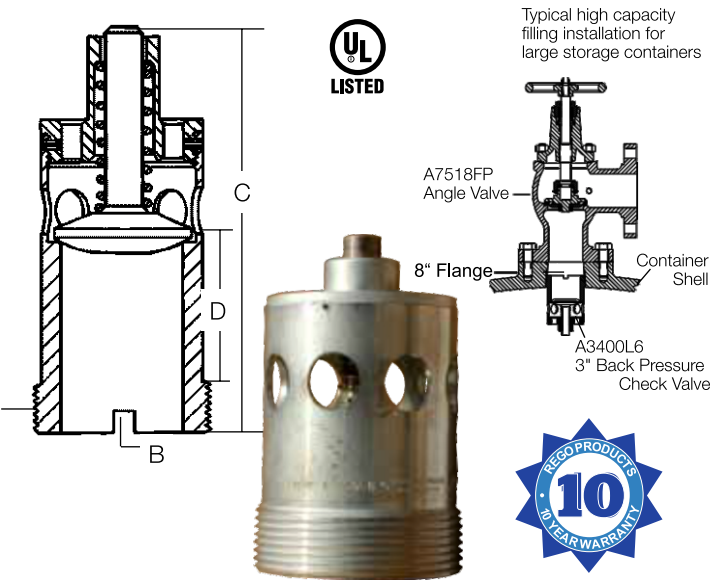
- Speeds up filling operations in bulk tanks.
- All steel and stainless steel construction ensures long service life.

Materials

- Body Cadmium Plated Steel
Stem Stainless Steel
Spring Stainless Steel
Disc Cadmium Plated Steel
Guide Stainless Steel
Roll Pin Stainless Steel

Ordering Information

Part Number	A. Flange Connection M. NPT	B. Wrench Hex Flats	C. Overall Length	D. Threaded End To Port	Propane Liquid Capacity at Various Differential Pressures (GPM)			
					5 PSIG	10 PSIG	25 PSIG	50 PSIG
A3400L4	2"	Slotted	5¼"	1⅝"	223	316	500	707
A3400L6	3"		5⅝"	1⅝"	424	600	949	1342



Adhesive Warning Labels 903-500 and 7572-400

The following warning information, Part Number 903-500, is included with each shipment of Excess Flow, Check, Filler and Vapor Equalizing Valves to the first purchaser of the product from the factory.

This information is intended to be forwarded throughout the product distribution chain. Additional copies are available from RegO and Authorized Product Distributors.

These adhesive warning labels are intended for application as close as possible to the Chek-Lok® once the Chek-Lok® is installed.

The basic information contained on the label is intended for the benefit of the user of the Chek-Lok® and is not intended to be an "allinclusive" product warning.

Part Number	Description
7572-400	Adhesive Warning Label



Excess Flow Valves for Liquid or Vapor Withdrawal
2723C and A8013D Series

Application

These valves are designed for bottom mounting in consumer storage tanks for liquid service. They may also be top mounted for vapor service. These valves are designed especially for use with Rego globe and angle valves

Features

- 2723C provides a 3/4" dip pipe inlet connection for top-mounted liquid or bottom-mounted vapor requirements.
- A8013D Series features a 2-position floating valve disc for faster, more efficient container filing.
- Precision machined.
- Stainless steel spring provides consistent closing flow and long service life.
- Generous flow channels provide low pressure

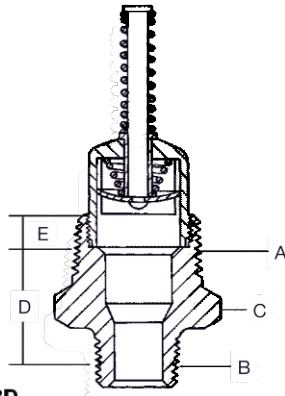
Materials

A8013D Series

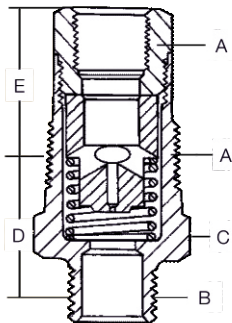
Body..... Cadmium Plated Steel
Disc..... Stainless Steel
Stem..... Stainless Steel
Spring..... Stainless Steel
Guide..... Cadmium Plated Steel
Insert..... Stainless Steel

2723C

Body..... Brass
Valve Poppet..... Brass
Retainer..... Brass
Spring..... Stainless Steel

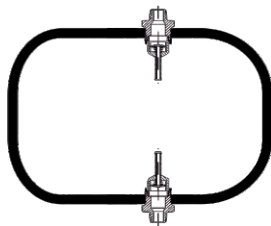
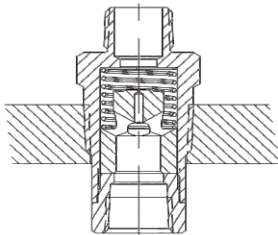


A8013D



Typical Installation

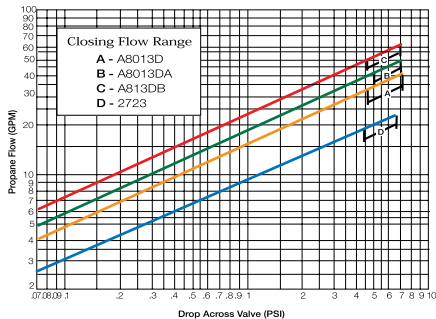
Container Service



2723C

A8013D

Performance



Ordering Information

Part Number	A. Inlet Connection M. NPT	B. Outlet Connection NPT	C. Wrench Hex Flats	D. Effective Length (Approx.)	E. Threaded End To Port	Approximate Closing Flow		
						Liquid (GPM Propane)	Vapor SCFH (Propane)	
							25 PSIG Inlet	100 PSIG Inlet
A8013D	1 1/4"	3/4"	1 3/4"	1 3/32"	-	39	8,700	14,700
A8013DA		1"		1 1/16"		44		
A8013DB		1 1/4"		1 1/32"		55		
2723C	1 1/4"	3/4"	1 1/16"	1 1/16"	1 15/16"	20	3,900	6,900



Excess Flow Valve for Pressure Gauges 2884D

Application

Designed for container use in pressure gauge installations to minimize excess gas discharge in the event the pressure gauge is sheared. A suitable shut-off valve should be installed between this valve and the pressure gauge to allow convenient gauge replacement.

Features

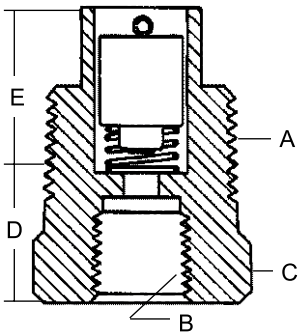
- Precision machined.
- Suitable for use with all 1/4" M.NPT pressure gauges.

Materials

- Body..... Brass
- Valve Brass
- Spring..... Stainless Steel
- Pin Stainless Steel

Ordering Information

Part Number	A. Inlet Connection M. NPT	B. Outlet Connection F. NPT	C. Wrench Hex Flats	D. Effective Length (Approx.)	E. Threaded End To Port	Approximate Closing Flow□		
						Liquid (GPM Propane)	Vapor SCFH (Propane)	
							25 PSIG Inlet	100 PSIG Inlet
2884D	3/4"	1/4"	1 1/16"	1 1/16"	1 5/16"	N/A	60	110



Threaded Internal Valves For Bobtail Delivery Trucks, Transports and Stationary Storage Tanks A3213D Series

Application

Designed primarily for use with LP-Gas and anhydrous ammonia for liquid withdrawal; vapor transfer or vapor equalization of bobtail delivery trucks, transports, stationary storage tanks, and in-line installations. The valve may be operated manually by cable or pneumatically

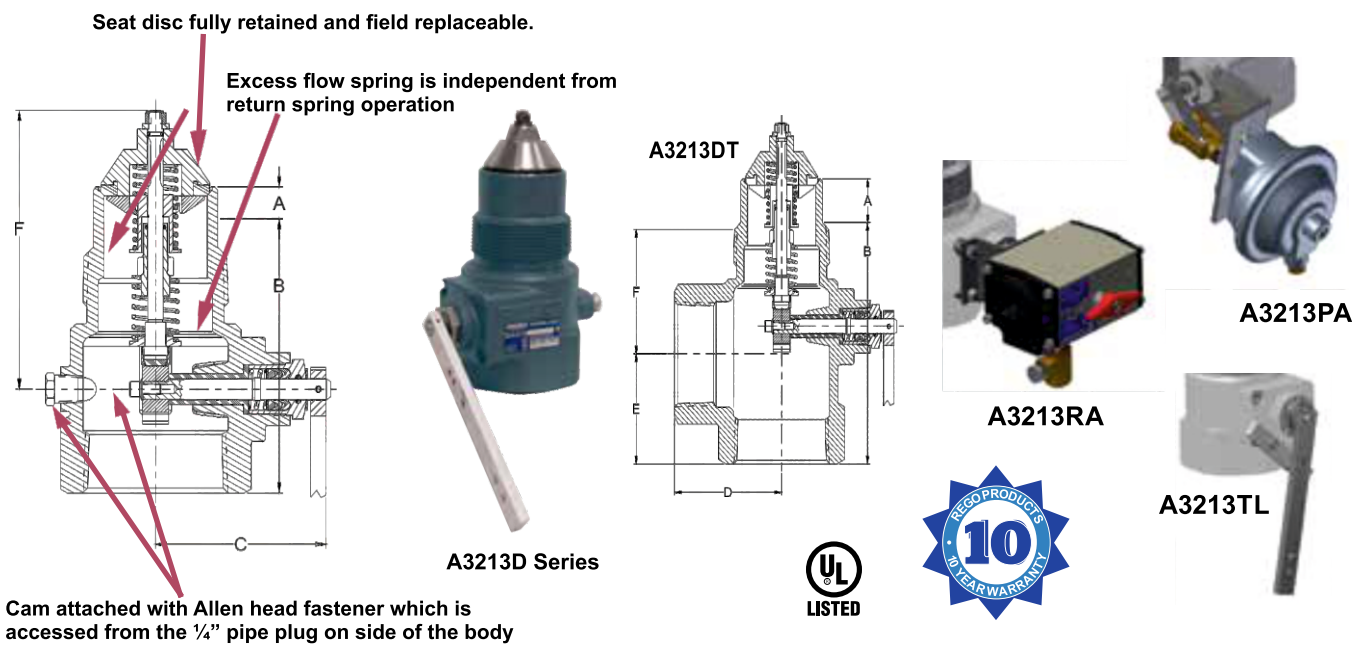
Features

- May be installed in full and half couplings.
- Nylon bearing supported operating shaft provides smooth, easy operation.
- Simple operating lever facilitates easy adaptation of all cable controls.
- Midway stem position allows for quicker pressure equalization.

LPG Accesories



- All critical operating components are located in the valve body inside the container coupling for maximum protection against physical damage.
- Built-in excess flow valve.
- Return spring returns the valve to the closed position when the handle is released.
- Specify RegO Internal Valves on your next new tank body or when your tank is rebuilt.
- A3213PA pneumatic actuator provides a convenient means of opening and closing the valve from a remote location, using either air or nitrogen for A3213D service valves.

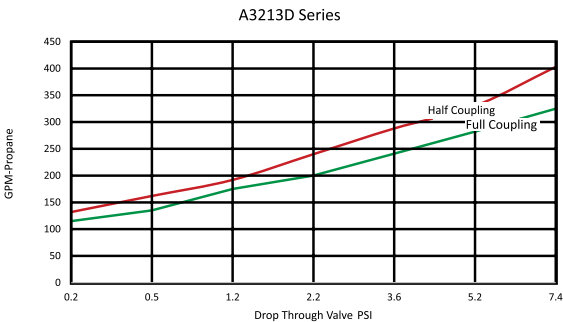


Materials

Body.....	Ductile Iron
Operating Lever.....	Cadmium Plated Steel
Stem.....	Stainless Steel
Springs.....	Stainless Steel
Seat Disc.....	Resilient Synthetic Rubber
Shaft Bearing.....	Nylon

Ordering Information

Part Number	Inlet Connection M.NPT	Outlet Connections F.NPT	Closing Flow Half Coupling (GPM)		Closing Flow Full Coupling (GPM)		Vapor Closing Flow (SCFH)		Accessories		
			LPG	NH ₃	LPG	NH ₃	25 PSIG Inlet	100 PSIG Inlet	Pneumatic Actuator	Rotary Actuator	Thermal Latch
A3213D150	3"	3"	150	135	125	113	26,900	45,900	A3213PA	A3213RA	A3213TL
A3213D200			200	180	160	144	32,300	55,100			
A3213D300			300	270	250	225	50,500	86,500			
A3213D400			400	360	325	293	71,400	121,300			
A3213DT150*			150	135	125	113	26,900	45,900			
A3213DT200*			200	180	160	144	32,300	55,100			
A3213DT300*			300	250	250	225	50,500	86,500			
A3213DT400*			400	325	325	293	71,400	121,300			



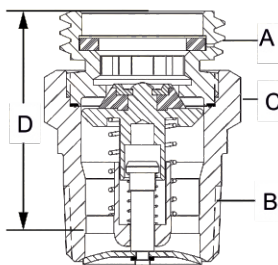
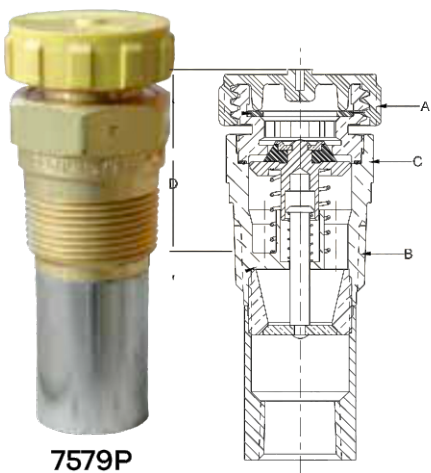
Double-Check Filler Valves for Large DOT and ASME Tanks
L6579 Series and L7579 Series

Application

Designed to provide fast filling of large motor fuel and ASME domestic tanks. The 6579 Series incorporates a swing-away lower check which greatly reduces pressure drop across the valve. This lower pressure drop promotes faster filling rates and greater efficiency resulting in more profitable operations.

Features

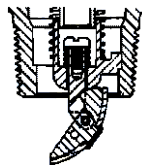
- Low emission- 2.14 cubic centimeters at disconnect (2.14cc versus 6.85cc)
- Double back check provides added system protection.
- Upper filler valve assembly can be easily replaced without evacuating the container.
- Both checks are spring actuated for quick, precise closure when flow into the valve stops or reverses.
- 6579 Series swing-away check promotes faster filling for more profitable operations.
- Specify RegO Filler Valves on all your original tank purchases to ensure quality and dependable performance.



L7579



L6579



Materials

- Upper Body..... Brass
Lower Body..... Brass
Springs..... Stainless Steel
Washer and Seat Disc..... Synthetic Rubber
Cap..... Plastic

Ordering Information

Part Number		A. ACME Hose Connection	B. Tank Connection M. NPT	C. Wrench Hex Flats	D. Effective Length (Approx.)	Propane Liquid Capacity at Various Differential Pressures (GPM)				
Basic	With Cap & Lanyard					5 PSIG	10 PSIG	25 PSIG	50 PSIG	75 PSIG
L7579	L7579C	1 3/4"	1 1/4"	1 7/8"	1 27/32"	50	70	111	157	192
7579P*	-				2 1/32"	37	52	82	116	142
L6579**	L6579C**				1 27/32"	78	110	174	246	301
L6579										

Double-Check Filler Valves

General Information

RegO Double-Check Filler Valves incorporate a resilient upper check valve, normally designated as a filler valve, and a lower check valve, commonly called a back pressure check valve. Available in a range of sizes to cover virtually all LP-Gas storage containers, these valves are UL listed and meet NFPA standards, as well as other safety requirements.

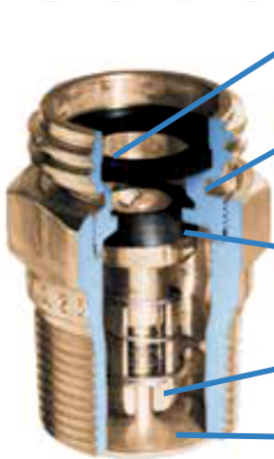
Flow of liquid into the storage container opens both check valves. When flow stops, they both are designed to close automatically to permit the operator to disconnect the hose coupling. The automatic closing action also helps prevent the discharge of container contents in the event of hose failure. The lower back pressure check affords extra protection by restricting the discharge if the upper check fails to function properly due to accidents or other causes.

The double back check construction allows emergency inspection, repair, or replacement of the upper fill assembly without removing product from the container. When the upper filler valve body is removed, the lower back check valve provides a seal, permitting only some leakage, allowing a new upper filler valve body to be installed.



Seal cap made of tough, resilient molded plastic. Protects threads and internal working parts. Caps are designed to contain normal tank pressures, and must be kept on valves at all times.

ACME	Part Number
1¼"	A2797-20R
1¾"	A2697-20R
2¼"	A3184-8R
3¼"	A3194-8R



- Long-wearing gasket permits handtight connection of cap and hose coupling.
- Safety groove is designed to shear below the ACME thread, leaving the valve seats closed and unaffected if the delivery truck pulls away with the hose connected.
- Seat disc of special synthetic composition is extra thick for longer life.
- Valve guide is precision machined to ensure positive seal.
- Exclusive swing-away lower back check valve for extra fast filling is provided on Models L6579 and 6587. Differs from conventional design by swiveling to a vertical position when opened.



Chek-Lok® Excess Flow Valves 7590U and 7591U Series

Application

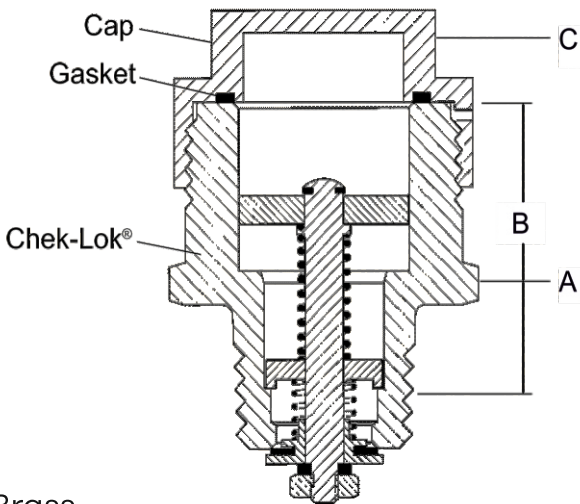
Chek-Lok® Excess Flow Valves are designed to provide a convenient means of withdrawing liquid from stationary containers prior to moving the container. The Chek-Lok® permits one transfer shut-off valve with an adapter to be used interchangeably on a number of tanks. The 7590U and 7591U Chek-Loks® are also designed for use on permanent installations provided the excess flow valve is sized properly for the system and piping. NOTE: In some cases, it may be necessary to use an in-line excess flow valve to protect the downstream piping. This valve is not recommended for use as a liquid source for pumps.

Features

- Extra strength connection between body and adapter provides increased strength.
- Weep hole in cap provides indicator to verify Chek-Lok® is closed before cap removal.
- Heavy duty brass cap requires at least 3½" full turns for removal.
- O-ring seal on adapter provides a gas tight seal before the adapter opens the equalizing stem.
- Eliminates need for individual transfer valves at each container.
- UL listed.



7590U With Cap



Materials

- Body..... Brass
- Stem..... Brass
- Spring..... Stainless Steel
- Seals..... Synthetic Rubber
- Valve Poppet..... Brass
- Gasket..... Nylon



Ordering Information

Chek-Lok® Number	Inlet Connection	Outlet Connection	A. Body Wrench Hex Flats	B. Approximate Effective Length	C. Cap Wrench Hex Flats	Approximate Closing Flow, Liquid GPM (Propane)©
7590U	¾" M. NPT	1⅝" UNF	1¾"	1⅞"	1⅞"	20
7591U	1¼" M. NPT		1¾"	1⅞"		35



ASME Multivalves® for Vapor Withdrawal 7556R

Application

These compact Multivalves® are especially suited for vapor withdrawal of ASME containers where compact groupings of components are necessary. Separate filler valves and pressure relief valves are required.

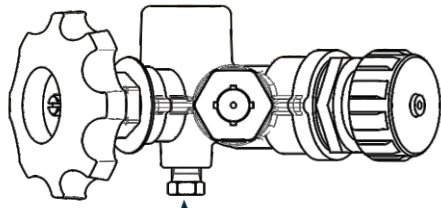
Features

- Combines service valve, vapor equalizing valve with excess flow, fixed liquid level gauge and plugged pressure gauge opening in one unit.
- Rugged, 1" wrenching boss on center column minimizes possible damage during installation.
- Low profile design extends only 3" above the container boss, allowing use of smaller domes.
- "Y" shape configuration allows for ease of operation with all valves and gauges easily accessible at all times.
- Designed for installation of a 1/8" M.NPT pressure gauge or pressure gauge connection. The pressure test port will communicate to the downstream side of the service valve.
- MultiBonnet® allows quick and easy repair of bonnet.
- PT7556R version: With the service valve closed the pressure test/ Presto-Tap® port is isolated from the container. This will allow a high pressure leak test to be conducted without disconnecting the pigtail from the service valve. For more information see page C12. Materials

PT7556R version with the service valve closed the pressure test port will be isolated from the container. This will allow a high-pressure leak test to be conducted without disconnecting the pigtail from the service valve.



7556R Series with 1/8" FNPT pressure test port.



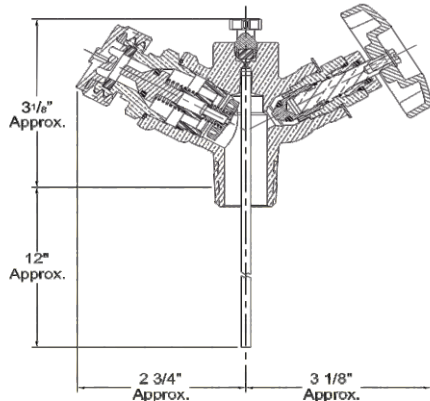
1/8" F.NPT Pressure Test Port is isolated from the container when the service valve is closed.

Materials

Body.....	Forged Brass
Handwheel.....	Aluminum Die Cast
Valve Stems.....	Brass
O-Rings.....	Resilient Rubber
Seat Disc (shut-off valve).....	Nylon
Seat Disc (others).....	Resilient Rubber

Pt7556 R Multivalve®

Especially suited for vapor withdrawal of ASME containers where compact groups of components are necessary. Separate filler valves and pressure relief valves are required



Ordering Information

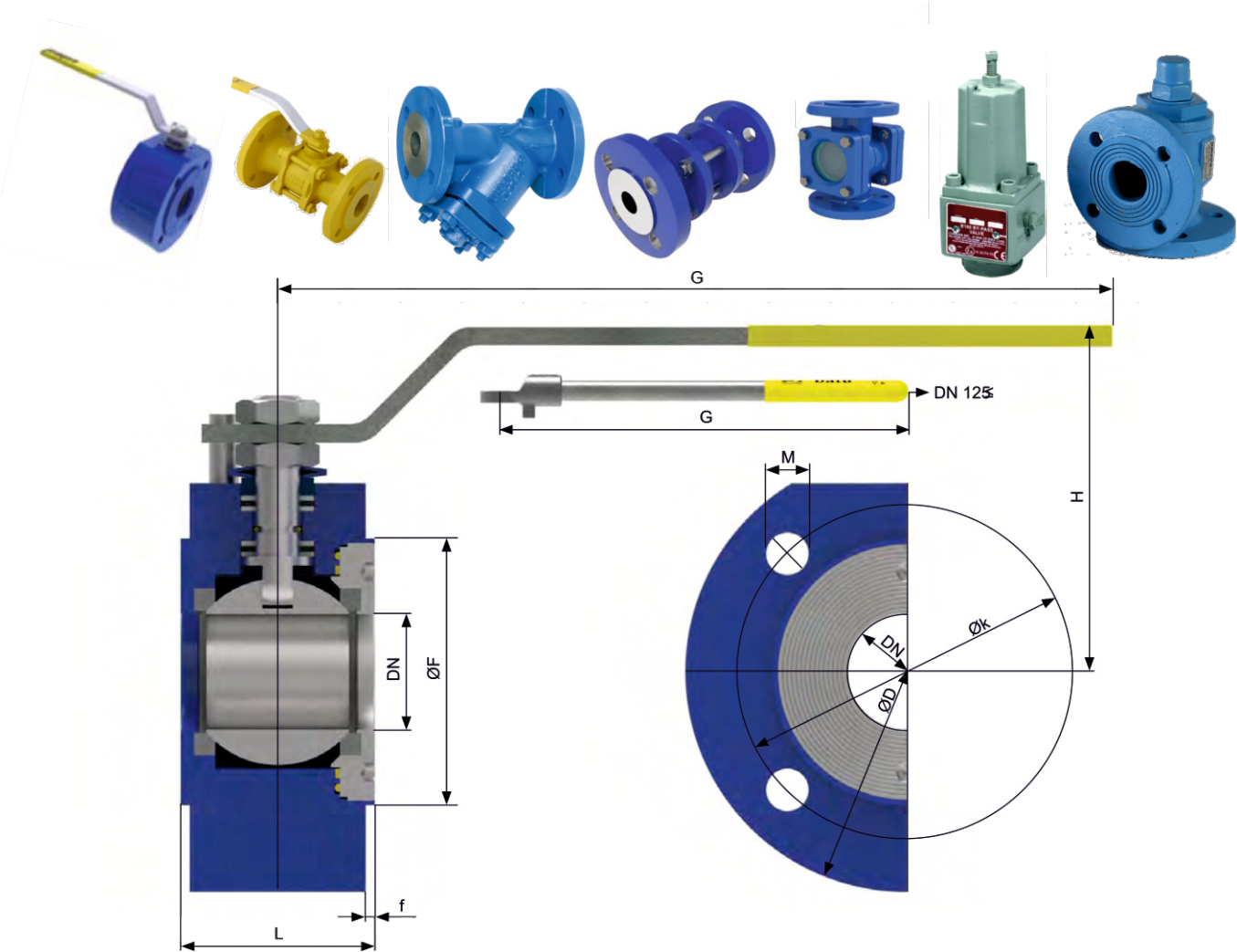
Part Number	Container Connection	Service Connection	Vapor Equalization Connection		Fixed Liquid Level Vent Valve	Dip Tube Length	Ready to Go™
			Connection Size	UL Listed Closing Flow			
7556R12.0	3/4" M.NGT	F.POL (CGA 510)	1 1/4" M. ACME	4200CFH@100PSIG	Yes	12"***	Plugged
PT7556R12.0							Yes



Valves used in the field of LPG system

All monoblock ball valve, valves with flanged ,strainers , checklock ,By-pass,flow indicator and threaded flanges used in the LPG system working under high pressure design PN40 , The table down shows the standard dimensions for this valves

LPG Valves



Size and connection dimensions							PN 16				PN 40				Kg
DN	INC	L	G	H	f	D	k	Dsayısı	M	F	k	Dsayısı	M	F	
DN 15	1/2"	38	150	75	2	87	65	4	M 12	50	65	4	M 12	50	1,52
DN 20	3/4"	40	150	83	2	97	75	4	M 12	60	75	4	M 12	60	2
DN 25	1"	45	180	90	2	107	85	4	M 12	68	85	4	M 12	68	2,66
DN 32	1 1/4"	58	230	95	2	135	100	4	M 16	78	100	4	M 16	78	5,23
DN 40	1 1/2"	64	275	115	3	145	110	4	M 16	88	110	4	M 16	88	6,82
DN 50	2"	82	275	120	3	165	125	4	M 16	105	125	4	M 16	105	11,06
DN 65	2 1/2"	103	350	135	3	177	145	4	M 16	125	145	8	M 16	125	15,58
DN 80	3"	122	350	150	3	197	160	8	M 16	132	160	8	M 16	132	22,28
DN 100	4"	150	450	170	3	232	180	8	M 16	158	190	8	M 20	162	37,28
DN 125	5"	200	600	200	3	270	210	8	M 16	188	220	8	M 20	188	69
DN 150	6"	235	650	235	3	305	240	8	M 20	212	250	8	M 27	218	96
DN 200	8"	310	780	270	3	400	295	12	M 20	268	320	12	M 27	285	215
DN 250	10"	470	950	370	3	500	355	12	M 24	320	385	12	M 27	345	475

Ammonia Storage Tank



Ammonia is a compound of nitrogen and hydrogen with the formula NH_3 . Ammonia is a colourless gas with a characteristic pungent smell.

Ammonia is used in many industrial processes, and as a fertilizer and refrigerant. NH_3 boils at $-33.34\text{ }^\circ\text{C}$ ($-28.012\text{ }^\circ\text{F}$) at a pressure of one atmosphere, so the liquid must be stored under pressure or at low temperature.



Design parameters for ammonia storage tanks	
Chemical symbol	NH3
Design Code	EN 14025 – AD MARKBLETTER
Capacity	0,5 m³ and 500 m³
Body Type	Horizontal, Cylindrical
Body Type	Elliptical
Material	SA 516 Gr 70 / EN-10028.3 (P355NH-P355NL1) / EN-10028.2 (P355GH)
Design Temperature	-30 °C / + 70 °C
Design Pressure	18 BAR
Welding	SAW -Submerged Arc Welding
Tests	UT (Ultrasonic Test) - X-Ray :RT (RadiographicTest) - BT (Beta Test), Hydrostatic Test

List of accessories
External Pressure Relief Valve + Checklock / Relief Valve Assemblies
Excess Flow Valve
Magnetic or Mechanical Level Indicator
Manometer (0 - 40 bar)
Thermometer (-30/ +70 C°)


Design parameters for Ammonia Transport Tank

Chemical symbol	NH ₃
Design Code	EN 14025 – AD MARKBLETTER
Capacity	30 m ³ and 60 m ³
Body Type	Horizontal, Cylindrical
Body Type	Elliptical
Material	SA 516 Gr 70 / EN-10028.3 (P355NH-P355NL1) / EN-10028.2 (P355GH)
Design Temperature	-30 °C / + 70 °C
Design Pressure	22 BAR
Welding	SAW -Submerged Arc Welding
Tests	UT (Ultrasonic Test) - X-Ray :RT (RadiographicTest) - BT (Beta Test), Hydrostatic Test

List of accessories

1	2 " Transport Pressure Relief Valve	6	Manometer (0-40) Bar
2	3 " , 2 " Excess Flow Valve	7	DN50 PN40 -2 " Monoblock Ball Valve
3	DN50 Pneumatic Actuator ball Valve	8	Hydraulic Operator 1 LT
4	Magnetic or Mechanical Level Indicator	9	3 ¼ " - 2 " Acme Cap + Nipple
5	Thermometer (-30/ +70 C °)	10	2 ¼ " - 1 ¼ " Acme Cap + Nipple

Technical specifications for chassis (Semi -Trailer)

Chassis	Carbon steel ST52
Axles	9, 12, 14 and 16 Ton available,(2,3 and 4 axle) available, (DISK, DRUM) available- SAF, BPW ,Turkish brands available
Suspension System	Air Suspension, Mechanical Suspension and all other sysytems are available
Landing Gear	25 Ton Dynamic , 50 Ton Static - 2 speeds - JOST , SAF, OMS.... Etc
Tires	385/65 R22,5 , 1200 R 24 and all sizes of tires available, Tires Brands (BRIDGESTONE , LASSA,GOODYEAR etc ...)
Rims	R22,5 , R24
King-Pin	DIN Standard 2 " , 3 " available
Brake System	According to standards ADR - WABCCO
Lighting System	According to standard (ADR) - SABA - SERTPLUS
Paint	Sandblasting will be done firstly, 2 layers of epoxy base paint, then 2 layers of paint .

A Liquefied Natural Gas tank or LNG tank is a specialized type of tank, used as storage or transport. The common characteristic of LNG tanks is the ability to store LNG at the very low temperature of -162 °C (-260 °F). LNG tanks have double containers,where The inner vessels of LNG cryogenic tanks are typically constructed of stainless steel,the outer vessels of the LNG cryogenic tanks are fabricated from carbon steel to provide vacuum insulation for the inner vessel.

Natural gas considered as one of the most important energy sources in the world today



Design parameters	
Design Code	EN 13458 - 2
Type of tank	LNG – STORAGE
Shell type	Vertical – Horizontal / cylinder
Heads type	Elliptical
Working Pressure	5-10 Bar
Design temperature	+ 50 °C / -196 °C
Inner Vessel Material	Stainless steel
External Vessel Material	Carbon steel or Aluminum
Insulation	Vaccum and perlite Insulation
Radiographic test	Acc to EN 17636-1
Liquid penetration examination	Acc to ISO 3452-1

Cryogenic tanks are used for cryogenic liquids. Cryogenic liquids are typically liquefied gases at -196°C or lower.

Common products include:

Liquid oxygen LOX / Liquid nitrogen LN,LIN / Liquid argon LAR / Liquid carbon dioxide (CO2)

Cryogenic tanks are thermally insulated, typically with a vacuum jacket, designed and manufactured to a high specification following international design codes. They can be fixed, mobile or transportable.

Storage tank capacity can be between 1 - 100 m3 (vertical or horizontal)

Transport tank capacity can be between 30 - 60 m3

The inner vessels of cryogenic tanks are typically constructed of stainless steel,the outer vessels of the cryogenic tanks are fabricated from carbon steel, to provide vacuum insulation for the inner vessel.

The maximum allowable working pressure of the cryogenic stationary tanks for cryogenic liquefied gases such as liquid nitrogen, liquid oxygen, liquid argon and liquid natural gas ranges between 2 bar and 37 bar depending on application.



Design parameters	
Design Code	EN 13458 - 2
Shell type	Vertical – Horizontal / cylinder
Heads type	Elliptical
Working Pressure	2- 37 Bar
Design temperature	+ 50 °C / -196 °C
Inner Vessel Material	Stainless steel
External Vessel Material	Carbon steel or Aluminum
Insulation	Vacuum and perlite Insulation
Radiographic test	ACC to EN 17636-1
Liquid penetration examination	ACC to ISO 3452-1

LPG gas considered form the dangerous material, for that reason all the production processes should be done perfectly and carefully, like welding and tests.

1.Beta- Bt Test : Will Be Done For Welding Flanges And Nozzles

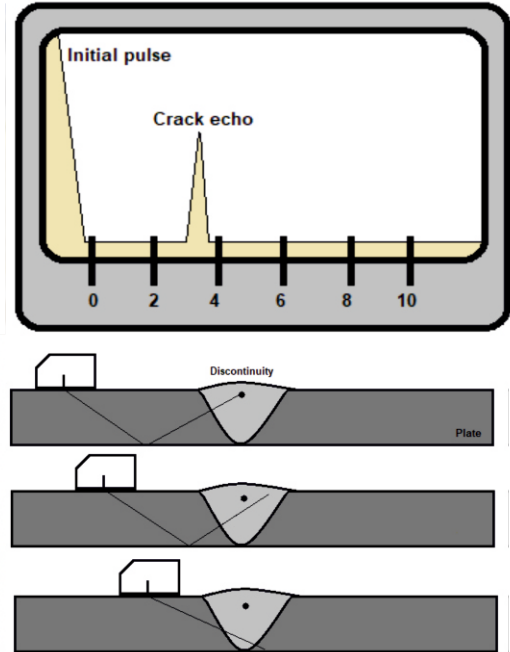


RT- Radiographic test : Will be done for welding joints for tank
The shell of tank will be welded by SAW – Submerged Arc Welding



UT - Ultrasonic Test :

Also UT - Ultrasonic Test can be done for welding joints for tank



Hydrostatic Test :

Hydrostatic test will be done for pressure vessels , test pressure will be according to design code.



FQC
FIRST QUALITY CERTIFICATION

CERTIFICATE

This certificate is granted to the organization,

MGT GLOBAL OTOMOTİV LİMİTED ŞİRKETİ
Güzelnur Mahallesi Cemil Meriç Caddesi Doğan Dorse Apartmanı No:17/A
Antakya / Hatay / Türkiye

MANUFACTURE OF PRESSURE VESSELS (LPG, LNG AND CRYOGENIC TANKS) OF SEMI TRAILER AND TANKS

EA 17, 22
according to the scope,

ISO 9001:2015
to certify that Quality Management System in accordance with standard's clauses is established and being implemented.

First Date of Issue : 05.01.2021
Date of Issue : 05.01.2021
Certificate Period : 3 Years
Reissue Due Date : 04.01.2022
Certificate No : 01.21.9080.114664.D

First Quality Certification
System Certificate Approved
Maltepe / İstanbul / Türkiye

ISO 9001:2015

IAF DAKKS

TÜV AUSTRIA

CERTIFICATE
EN ISO 9006-1 135 P BW FM1 S t12 PA ss nb

Certificate No.: 19-IS-0749-TAT-20-WLD-6412
Manufacturer's welding procedure spec: WPS1
Surname / first name of the welder
AMMET KURT
Identification / Method of identification
ID-Card / 33214603170
Date / Place of birth
01.02.1990 / ANTAKYA
Employer
MGT GLOBAL OTOMOTİV LTD. ŞTİ
Code / Testing Standard
EN ISO 9006-1:2017 2014/68/EU

Examining body: TÜV AUSTRIA CERT GMBH
A-1015 Wien, Kriegerstrasse 16
Examiner: Mehmet BERKEKÖĞÜ
Welder's identification mark: W04
Approval acc. to PED: TÜV AUSTRIA CERT GMBH
RTPD
Deutschstraße 101230 Wien

Test data - Details	Scope
Welding process: T35 Transfer mode: Short Arc Product type (Plate or Pipe): P Type of weld: BW Parent material group(s): 1.3 Filler metal group: FM 1/5 Filler material (designation): TS EN ISO 14341-A: G 42 3 C1 G 3S1 Shielding gas: EN ISO 14175: M24 Auxiliaries: DC(+) Type of current and polarity: DC(+) Material thickness of test piece (mm): 1-12 mm Deposited thickness (mm): s: 2 mm Outside pipe diameter (mm): 3 ss 54 Welding position: PA Details of weld seam: Sa nb	135,138 Short Arc P, T: 2 a 500 mm in fixed (PA, PB, PC, PD: 2 a 75 mm in rotating). BW FM1, FM2 / S/M TS EN ISO 14341-A: G 42 3 C1 G 3S1 EN ISO 14175: M24 DC(+) 3 ss 54 PA Sa nb, ss nb, bs ss gb, ss fl

See supplementary sheet and/or Manufacturer's welding procedure specification for additional information

Type of test	Performed and Accepted	Not required	Extension acc. to point 6.2
Visual Testing	X		
Radiographic Examination		X	
Ultrasonic test	X		
Magnetic Test		X	
Macro section		X	
Fracture test		X	
Seal test		X	
Notched Tensile test		X	
Additional tests		X	
Hardness test		X	
Job knowledge		X	

Name and Signature: KAN OKAN
Certification Body: TÜV AUSTRIA CERT GMBH
Place of issue: ANTAKYA
Date of issue: 25.12.2020
Place of testing: HATAY
Date of testing: 18.12.2020
Acc. to 9.3.a
Valid until: 18.12.2023

*Details on supplementary sheet, if required
**In case of proper confirmation of employer or supervisor (acc. to testing standard)

TÜV AUSTRIA

HYDROSTATIC TEST CERTIFICATE
Hidrostatik Test Sertifikası

Certificate No/Sertifika No.: :21-IS-0310-TAT-21-HT-1183
Drawing No/Resim No.: : ---
Product/Ürün.: : LPG STORAGE TANK
Project/ Proje.: : ---
Manufacturer/İmalatçı.: : MGT GLOBAL OTOMOTİV LİMİTED ŞİRKETİ
Manufacturing Date/İmalatYılı.: :2021
Serial No/ Seri Num.: :DTS 20210010
Capacity/Volume/Kapasite/Hacim.: :110 m³
Design Pressure/ Dizayn Basıncı.: :17,5 Bar
Test Standard/Test Standardı.: : AD2000 HP30
Test Date/Test Tarihi.: : 17.02.2021

Test Pressure: 26,5Bar
Test Basıncı: 26,5Bar
Test Per.: 1 hour
Bekleme Süresi: 1 hour
Test Fluid: Water
Test Sıvısı: Water

Result : No leakage and permanent deformation have been observed.
Sonuç: Tankta herhangi bir sızıma ve kalıcı deformasyon belirlenmemiştir.

Ankara 2021-04-19

TÜV AUSTRIA TÜRK
Tech. Expert
Uygur UYSAL

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TÜV AUSTRIA

Approval test certificate for welding operators
weld setter
according OENORM EN ISO 14732:2013

Manufacturer's welding procedure specification: WPS-1
Reference No. (if applicable): -
Name of resistance welding operator: BEDRI KAZAN
Method of identification: Identity card
Identification no.: 4050296968
Date and place of birth: 01.12.1979/ SAMANDAG
Employer: MGT GLOBAL OTOMOTİV LTD. ŞTİ
Code/testing standard: EN ISO 14732:2013
Functional knowledge: acceptable / not acceptable (delete as necessary)
Job knowledge: acceptable / not tested (delete as necessary)

Certificate No: 19-IS-0749-TAT-20-WLD-6411
Examiner: MEHMET BERKEKÖĞÜ
Welder sign: W05

Welding process:	Submerged Arc Welding (121)	Submerged Arc Welding (121)
Welding equipment:	OERLIKON ZDS-1000B	OERLIKON ZDS-1000B
Welding unit:	Fully Mechanized Welding Unit	Fully Mechanized Welding Unit

Details for mechanized welding:

Visual control:	Direct	Remote	Direct
Automatic arc length control:	Yes	No	Without automatic arc length control
Automatic joint tracking:	Yes	No	Without automatic joint tracking
Welding position: BW - PA	Single run technique	Multi run technique	Single/Multi run technique
Material backing:	Yes	No	With/Without backing
Consumable insert:	Yes	No	With/Without consumable insert

Details for automatic welding:

Joint sensor:	Yes	No	
Arc sensor control:	Yes	No	
Single run technique	Yes	No	

Additional information is available on attached sheet and/or welding procedure specification

The approval is based on:
- welding procedure test (see 4.1a))
- pre-production welding test (see 4.1b))
- standard test piece (see 4.1c))
- production test or production sample testing (see 4.1d))

Results of the qualification test see document No.:
UT Report no: 750

Examining body:
TÜV AUSTRIA CERT GMBH
Name: KAN OKAN
Signature: [Signature]
Place of issue: Ankara/Turkey
Date of issue: 25.12.2020
Place of welding: HATAY
Date of welding: 18.12.2020
Valid until: 18.12.2026

Re-validation for qualification by employer/welding coordinator for the following 6 months (see clause 5)

Date	Signature	Position or title	Date	Signature	Position or title

EN ISO 14732 Operators -english/ Rev. 01





MGT GLOBAL

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