industrial

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Real Quality, Full Certification

- Air Tanks •
- Fuel Storage Tanks •
- LPG Tanks •
- Cryogenic Tanks •
- Custom Manufacturing Tanks •
- Dished Heads and Bending •





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Necessary technical documentation, material certificates, test reports, and quality files are prepared and delivered in full for international projects. This approach accelerates the process of compliance with regulations of different countries and offers a secure supply chain to our customers.

At **Magna Mekanik**, logistics organization and shipment planning in **export operations** are carried out within a disciplined systematic; international deliveries in large-volume tank and pressure vessel projects are carried out **on time and safely.**

Türkiye Factory | TR

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Real Quality,
Full Certification

Our production infrastructure has design and manufacturing capabilities in accordance with **EN 13445, PED 2014/68/EU**, and relevant European norms. Depending on project requirements, design and production processes in accordance with **ASME** standards are also carried out.

Our quality control processes are supported by dimensional checks, welding inspections, hydrostatic tests, and, where necessary, **radiographic / ultrasonic tests**. By applying disciplined control mechanisms at every stage of production, both product safety and long-lasting performance are guaranteed.

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about magna mekanik

Magna Mekanik is an industrial enterprise operating with high engineering capabilities in the field of industrial pressure vessels and tank systems, carrying out design and production in an integrated manner. Our company, established in **2017** with a vision of quality, standard compliance, and sustainable growth, has become a reliable manufacturer in the heavy industry segment in a short time.

Our fields of activity include LPG storage tanks, cryogenic tanks, expansion tanks, air tanks, and custom-designed pressure vessel systems. Our production processes are carried out in accordance with **EN, PED,** and **ASME** norms; engineering calculations, material selection, and manufacturing controls are carried out within the framework of international standards.

Today, **Magna Mekanik** carries out pressure vessel and tank production for the heavy industry segment in its modern facility with **6,000** m^2 closed and **15,000** m^2 open area. Our production infrastructure is equipped with high-tonnage forming systems, advanced CNC machining centers, and powerful welding equipment, and has an annual production capacity of **5,000** tons.


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MAC
CUTTING
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Machine Park

Magna Mekanik manufactures pressure vessels and tanks for the heavy industry segment in its modern facility with **6,000** m² of closed and **15,000** m² of open space. Our production infrastructure is equipped with high-tonnage forming systems, advanced CNC machining centers, and powerful welding equipment, and has an annual production capacity of **5,000** tons.

01 PRODUCTION POWER AND CAPACİTY

- 250, 350, 400 ton and 600 ton hydraulic press systems
- 150 ton workshop press
- High-capacity cylinder machines (SBM 200 / SBM 340) – 4 units
- Hydraulic skirt cutting and flange press systems – 4 units
- Heavy sheet metal forming operations are performed with precision.

02 CNC AND PRECİSİON MACHİNİNG INFRASTRUCTURE

- CNC bridge machining center with a 3200x2000 mm machining area
- CNC vertical machining machines
- CNC laser cutting systems
- CNC plasma cutting machines
- Baykal APHS 41240 hydraulic press brake
- Baykal MGH 4110 hydraulic guillotine shear

03 WELDING AND AUTOMATİON INFRASTRUCTURE

Magna Mekanik actively uses over 100 welding equipment.
Our welding infrastructure is supported by:

- Column boom submerged arc welding systems (6 m and 8 m) – 2 units
- Circular and linear welding machines – 5 units
- Circular gantry welding machine – 1 unit
- Multiple gas shielded and argon welding machines – 83 units
- Automatic positioning and rotator systems – 10 units

Production processes, carried out within the framework of procedural welding applications (WPS / PQR), are performed to a high quality standard with both manual and automatic systems.

04 TESTİNG, SURFACE TREATMENT AND LOGİSTİCS INFRASTRUCTURE

In our facility, product safety is verified with pressure testing machines with capacities of 60 bar and 80 bar; surface treatments are completed in a controlled environment with sandblasting systems, a booth painting system, and an industrial oven.

In the production area, the safe transportation of large-volume tanks and pressure vessels is ensured with multiple 20-ton capacity crane systems, forklifts, and auxiliary transportation equipment.

Contents

Storage Tanks and Dished Heads - Bending
Industrial Products

STORAGE TANKS GROUP

DISHED HEAD GROUP

BENDING GROUP

“Storage Tanks Group”

Fuel Storage Tanks
LPG Storage Tank - Horizontal
LPG Storage Tank - Vertical
LPG Autogas Storage Tank
Cryogenic Tanks
Transport Tanks
Air Tank - Horizontal
Air Tank - Vertical


MAGNA
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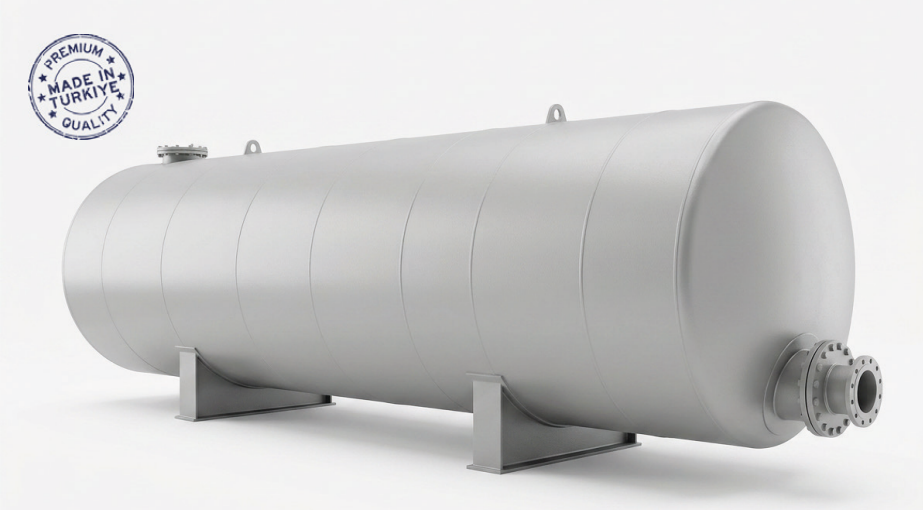
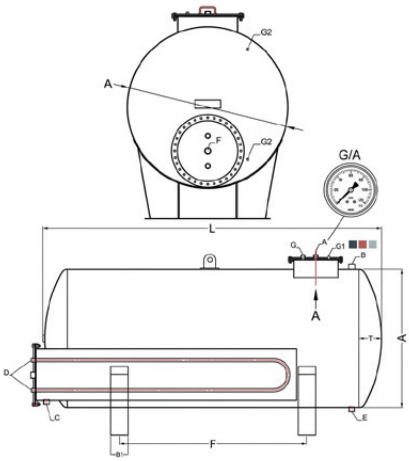
1 FUEL STORAGE TANKS

CAPACITY : 1.000 Lt - 250.000 Lt





TECHNICAL SPECIFICATIONS			AYT-1	AYT-3	AYT-5	AYT-7	AYT-10	AYT-13	AYT-16
Capacity		Litre	1.000	3.000	5.000	7.000	10.000	13.000	16.000
Diameter	A	mm	958	1250	1600	1600	1600	1600	1600
Length	L	mm	1611	2816	2865	3870	5350	6917	8420
Shell Plate Thickness		mm	5	5	5	5	5	5	5
Head Plate Thickness		mm	5	5	5	5	5	5	5
Head Depth	T	mm	160	260	260	260	260	260	260
Saddle Width	B1	mm	200	200	200	200	200	200	200
Saddle Center Distance	F	mm	820	1820	1550	2150	3630	5200	5200
Vent Pipe	A	inch	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
Filling Coupling	B	inch	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"
Fuel Outlet Coupling	C	inch	2"	2"	2"	2"	2"	2"	2"
Heating Coil Inlet/Outlet	D	inch	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
Cleaning/Drain Coupling	E	inch	2"	2"	2"	2"	2"	2"	2"
Electrical Heater Inlet	F	inch	2"	2"	2"	2"	2"	2"	2"
Level Indicator	G	inch	2"	2"	2"	2"	2"	2"	2"
Mechanical Level Indicator	G1	inch	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Fuel Level Indicator	G2	inch	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Outer Surface Area		m^2	6	12,7	16	22,8	30,8	38,5	45,7
Heating Coil Surface Area		m^2	0,43	0,56	0,61	0,91	0,91	0,91	0,91
Total Weight		kg	263	525	740	930	1250	1550	1850

TECHNICAL SPECIFICATIONS			AYT-20	AYT-25	AYT-30	AYT-40	AYT-50	AYT-60	AYT-80	AYT-100
Capacity		Litre	20.000	25.000	30.000	40.000	50.000	60.000	80.000	100.000
Diameter	A	mm	2000	2000	2000	2500	2500	2500	2900	2900
Length	L	mm	6970	8550	10150	8800	10800	12800	12750	15950
Shell Plate Thickness		mm	6	6	6	6	6	6	9	9
Head Plate Thickness		mm	6	6	6	6	6	6	9	9
Head Depth	T	mm	325	325	325	400	400	400	450	450
Saddle Width	B1	mm	250	250	250	250	300	300	350	350
Saddle Center Distance	F	mm	5320	5900	7500	6000	7500	9500	9300	12500
Vent Pipe	A	inch	1 1/2"	1 1/2"	1 1/2"	2"	2"	2"	2"	2"
Filling Coupling	B	inch	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"
Fuel Outlet Coupling	C	inch	2"	2"	2"	2"	2"	2"	2"	2"
Heating Coil Inlet/Outlet	D	inch	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
Cleaning/Drain Coupling	E	inch	2"	2"	2"	2"	2"	2"	2"	2"
Electrical Heater Inlet	F	inch	2"	2"	2"	2"	2"	2"	2"	2"
Level Indicator	G	inch	2"	2"	2"	2"	2"	2"	2"	2"
Mechanical Level Indicator	G1	inch	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Fuel Level Indicator	G2	inch	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Outer Surface Area		m^2	49	60	68,5	77,8	93,9	108	124,3	153,4
Heating Coil Surface Area		m^2	0,91	0,91	0,91	0,91	0,91	0,91	0,91	0,91
Total Weight		kg	2400	2850	3400	4400	5300	6300	9900	11600

FUEL STORAGE TANKS

ADDITIONAL INFORMATION

- Our tanks are manufactured according to **TS EN 12285-1** and **TS EN 12285-2 CE** standards.
- Our tanks are manufactured according to **TS 712**.
- Our tanks are manufactured as double-walled and single-walled.
- Operating Temperature -20˚C to +99˚C
- They are produced with paint, special membrane, or bitumen coating."

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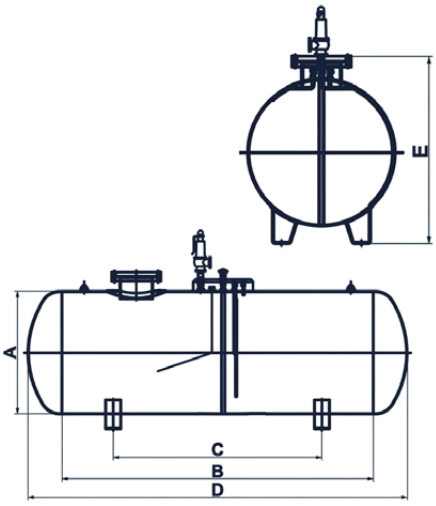
2 LPG STORAGE TANKS - HORIZONTAL

CAPACITY
1.000 Lt - 250.000 Lt



PRODUCT CODE	VOLUME LT	A (MM)	B (MM)	C (MM)	D (MM)	E-MAX (MM)
MGN 1000	1000	800	1750	850	2200	1300
MGN 1800	1800	1000	1800	900	2380	1500
MGN 3000	3000	1200	2250	1100	2975	1700
MGN 3850	3850	1200	3000	1500	3725	1700
MGN 5000	5000	1200	4000	2000	4725	1700
MGN 7000	7000	1600	3000	1500	3900	2160
MGN 10000	10000	1600	4500	3300	5392	2160
MGN 10000	10000	1900	2850	1850	3974	2420
MGN 22000	22000	2350	4500	3300	5745	2850
MGN 40000	40000	2400	8000	4000	9350	2900
MGN 50000	50000	2400	10500	5250	11850	2900
MGN 100000	100000	2950	13500	6750	15170	3500
MGN 115000	115000	3000	15500	7750	17150	3500
MGN 150000	150000	3150	18250	9600	19930	3500
MGN 200000	200000	3500	20000	11000	21950	3600
MGN 250000	250000	3500	24800	12375	26700	3600

Please contact us for custom dimension requests outside of our standard products.

LPG STORAGE TANKS - HORIZONTAL

ADDITIONAL INFORMATION

- Our tanks are **CE** certified according to the **2014/68/EU** Pressure Equipment Directive.
- Our tanks are manufactured according to **EN 12542 - AD 2000 - EN 13445 - ASME** standards.
- Our tanks are produced suitable for underground and aboveground use.
- They are designed for an operating temperature between -40˚C and +65˚C.
- It is used in the storage of hazardous materials such as LPG, Propane, etc.
- Please contact us for custom dimension requests outside of our standard products.

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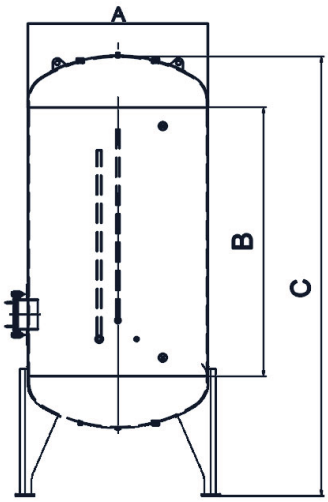
3 LPG STORAGE TANKS - VERTICAL

CAPACITY
500 Lt - 2150 Lt

Please contact us for custom dimension requests outside of our standard products.



PRODUCT CODE	VOLUME LT	A (MM)	B (MM)	C (MM)
MGN-D 500	500	800	750	1400
MGN-D 1000	1000	1000	950	1740
MGN-D 2150	2150	1200	1500	2430

DESIGN CODES	AD 2000
	EN 13445
	ASME SEC. VIII DIV.1
DESIGN PRESSURE	17, 16 BAR
TEST PRESSURE	25, 74 BAR

CAPACITY
5.000 Lt - 22.000 Lt

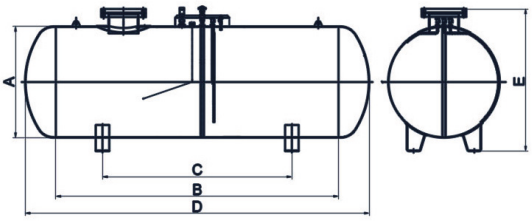
LPG AUTOGAS STORAGE TANKS

4

PRODUCT CODE	VOLUME LT	A (MM)	B (MM)	C (MM)	D (MM)	E-MAX (MM)
MGN 5000	5000	1200	4000	2000	4725	1400
MGN 7000	7000	1600	3000	1500	3900	1600
MGN 10000	10000	1600	4500	3300	5392	1800
MGN 10000	10000	1900	2850	1850	3974	2050
MGN 15000	15000	1900	3300	1850	4424	2050
MGN 22000	22000	2350	4500	3300	5745	2550

Please contact us for custom dimension requests outside of our standard products.

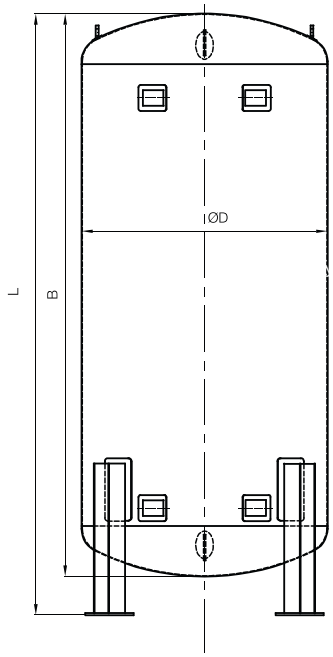
DESIGN CODES	AD 2000
	EN 13445
	ASME SEC. VIII DIV.1
DESIGN PRESSURE	17, 16 BAR
TEST PRESSURE	25, 74 BAR

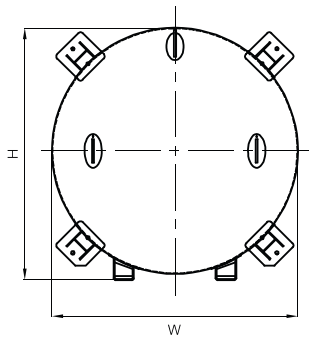


CRYOGENIC STORAGE TANKS

Cryogenic stationary tanks are designed for the long-term storage of cryogenic liquefied gases under pressure. The inner tanks of medium and high pressure liquid gas storage tanks are made of cold-drawn austenitic stainless steel. These cryogenic tanks, which can be manufactured vertically and horizontally, can be used for **LIN, LOX, LAR, LNG, CO2**, and **N2O**.

Design Code	EN 13458 – PED 2018/68/EU
Operating Pressure	5 – 39 Bar
Design Temperature	-196°c / 50°c
Ambient Temperature	-50°c/ 55°c
Material - Inner Tank	Stainless Steel (EN 10028-7)
Material - Outer Tank	Carbon Steel (EN 10025/EN 10028-3)
Insulation	Vacuum + Perlite





16 BAR CRYOGENIC LIN/LOX/LAR STORAGE TANKS

MAWP	Gross Capacity	Net Capacity (%95 Filling)	Daily Evap. Rate (02)	ØD	B	L	W	H	Empty Weight
bar	liters	liters	% / day	mm	mm	mm	mm	mm	kg
	2150	2040	0.34	1700	3055	3755	1920	1980	2000
	3450	3280	0.32	1830	3320	4020	2050	2120	2500
	6200	5890	0.30	1830	5210	5910	2050	2120	3750
	8200	7790	0.30	1830	6695	7395	2050	2120	4800
	10450	9930	0.29	2400	4640	5340	2400	2690	5300
16 bar	14850	14110	0.28	2400	6130	6830	2400	2690	6950
	20450	19430	0.26	2400	8425	9125	2400	2690	8750
	24750	23510	0.24	2400	9925	10625	2400	2690	10800
	31300	29735	0.23	2680	9600	10300	2680	3020	11750
	46100	43790	0.20	3050	10560	11260	3050	3420	18700
	50000	47500	0.19	3050	11300	12000	3050	3420	20500
	56450	53630	0.18	3050	12370	13070	3050	3420	22200
	66800	63460	0.15	3050	14370	15070	3050	3420	25750

Data given on the table are nominal volumes and actual may vary from these due to manufacturing tolerances.

37 BAR CRYOGENIC LIN/LOX/LAR STORAGE TANKS

MAWP	Gross Capacity	Net Capacity (%95 Filling)	Daily Evap. Rate (02)	ØD	B	L	W	H	Empty Weight
bar	litre	litre	% / gün	mm	mm	mm	mm	mm	kg
	3550	3370	0,2	1650	4260	4960	1950	1950	2950
	7300	6940	0,18	1930	5420	6120	2200	2250	5200
	10500	9980	0,16	1930	7740	8440	2200	2250	6900
37 bar	15500	14730	0,14	2220	7920	8620	2220	2500	9700
	20100	19100	0,13	2220	9915	10615	2220	2500	12200
	25170	23910	0,12	2500	10300	11000	2500	2780	15000
	31300	29730	0,1	2500	11040	11740	2500	2780	17000

Data given on the table are nominal volumes and actual may vary from these due to manufacturing tolerances.

ADDITIONAL INFORMATION

- **Design Code:** EN 13458-2
- **Design Pressure:** 16 / 17 / 19 / 37 bar
- **Test Pressure:** 25.5 / 25.74 / 31.86 / 54.34 bar
- **Design Temperature:** -196 / +20 °C
- **Capacity:** 2 m3 / 50 m3
- **Material:** EN 10028-7 (SS304L)
- For different size requests other than our standard products, please contact us.

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6 TRANSPORT TANKS

CAPACITY
5000 Lt - 50.000 Lt

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BRAND	Magna Mechanical
TANK TYPE	Transport
PROJECT CODE	EN 12493
OPERATING TEMPERATURE	Min -20˚C / max +50˚C
OPERATING PRESSURE	18 bar
MATERIAL	P355 NH
HEAD TYPE	Ellipsoidal
TANK OUTSIDE DIAMETER	2,450 mm
TANK SHELL THICKNESS	10 mm
HEAD THICKNESS	12 mm
TOTAL TANK LENGTH	9000/11750
CORROSION ALLOWANCE	1 mm
TANK VOLUME	45 m3
TANK EQUIPMENTS	Manhole flange DN 500 -- 1 pc
	Flange DN 50 -- 2 pcs
	Flange DN 80 -- 1 pc
	Hydraulic -- 1 pc
	2" Hydraulic Valve -- 2 pcs, 3" Hydraulic Valve -- 1 pc
	3" Safety Valve -- 3 pcs
	Level Indicator -- 1 pc
	Pressure Gauge (0-25bar), Ø 63 -- 1 pc
	Thermometer (-30 / 60 ˚C) Ø63 -- 1 pc
	Acme Adapter -- 3 pcs
	Drain Valve -- 1 pc
PAINTING	Outer tank sandblasting to SA 2.5 quality
	Epoxy primer and paint
QUALITY CONTROL AND TESTS	Relevant tests are performed by TUVNORD and TSE authorities.
	Material control and certification verification
	X-Ray
	Welding procedure and qualification (PQR/WPS)
	Penetrant and Magnetic Particle Testing
	Hydrostatic test
	Dimensional control
CERTIFICATION	EN 12493, ISO 9001-2008, and EN 9606-1
WELDING PROCESS	All welders have EN 9606-1 certification.
	All welds are performed in accordance with relevant PQR and WPS
HEAT TREATMENT	Heads are heat treated: stress relief annealing
SURGE BAFFLE	5 pcs

ADDITIONAL INFORMATION

MAGNA is designed to transport LPG safely on the highway with LPG tank and chassis manufactured within the scope of **EN**. Design and manufacturing are carried out in accordance with **EN 12493** standards. Production can be made according to **ASME** and other standards according to customer demands. Trailer chassis and moving parts are designed and manufactured by taking into account the experience and real road conditions.

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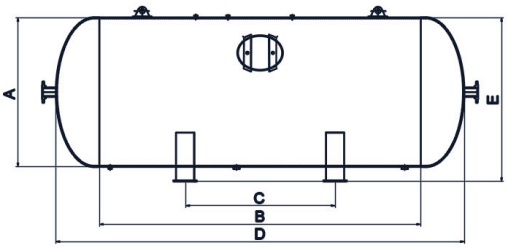
7 AIR TANKS - HORIZONTAL

CAPACITY
100 Lt - 20.000 Lt



PRODUCT CODE	VOLUME LT	A (MM)	B (MM)	C (MM)	D (MM)	E-MAX (MM)
MGN 100	100	323	1500	750	1750	480
MGN 200	200	400	1500	750	1750	550
MGN 300	300	550	1200	600	1560	700
MGN 500	500	600	1500	750	1890	750
MGN 750	750	750	1500	750	1930	900
MGN 1000	1000	850	1500	750	2000	1000
MGN 1500	1500	1000	1500	750	2060	1200
MGN 2000	2000	1150	1500	750	2140	1350
MGN 3000	3000	1400	1500	750	2280	1600
MGN 4000	4000	1600	1500	750	2400	1800
MGN 5000	5000	1600	2000	1000	2900	1800
MGN 6000	6000	1600	2500	1250	3400	1800
MGN 8000	8000	1600	3500	1750	4400	1800
MGN 10000	10000	1600	4500	2250	5400	1800
MGN 10000	10000	1900	3000	1500	4040	2100
MGN 15000	15000	2250	3000	1500	4200	2500
MGN 20000	20000	2250	4500	2250	5700	2500

Please contact us for custom dimension requests outside of our standard products.

DESIGN CODES	AD 2000
	EN 13445
	ASME SEC. VIII DIV.1
DESIGN PRESSURE	17, 16 BAR
TEST PRESSURE	25, 74 BAR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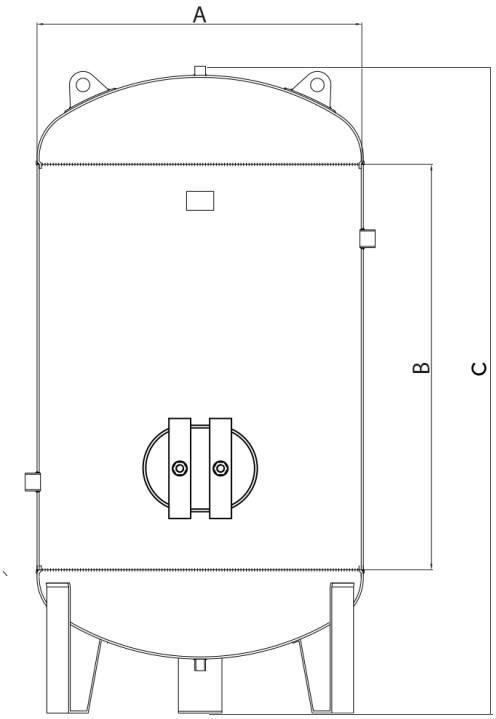
8 AIR TANKS - VERTICAL

CAPACITY
100 Lt - 20.000 Lt

DESIGN CODES	AD 2000
	EN 13445
	ASME SEC. VIII DIV.1
DESIGN PRESSURE	10 / 16 / 40 BAR
TEST PRESSURE	15 / 24 / 60 BAR



PRODUCT CODE	VOLUME LT	A (MM)	B (MM)	C (MM)
MGN 100	100	323	1500	1600
MGN 200	200	400	1500	1950
MGN 300	300	550	1200	1760
MGN 500	500	600	1500	2090
MGN 750	750	750	1500	2130
MGN 1000	1000	850	1500	2200
MGN 1500	1500	1000	1500	2260
MGN 2000	2000	1150	1500	2340
MGN 3000	3000	1400	1500	2480
MGN 4000	4000	1600	1500	2600
MGN 5000	5000	1600	2000	3100
MGN 6000	6000	1600	2500	3600
MGN 8000	8000	1600	3500	4600
MGN 10000	10000	1600	4500	5600
MGN 10000	10000	1900	3000	4300
MGN 15000	15000	2250	3000	4500
MGN 20000	20000	2250	4500	6000

Standart ürünlerimiz dışındaki farklı ölçü talepleriniz için lütfen bizimle iletişime geçin.

“Dished Head, Bending Group”

Flanged Dished Head
Shallow Dished Head
Torispherical Head
Elliptical Head
ASME 2:1 Elliptical Head
Flat Head
Unflanged Dished Head
Flanged Head
Reversed Dished Head
Hemispherical Head
Coating Pan Head
Conical Head
Expansion Joint Head

Hard Way Flat Bar Bending
Easy Way Flat Bar Bending
Square Bar Bending
Angle Bending Leg In
Angle Bending Leg Out
Pipe Bending
Solid Round Bar Bending
Square Tube Bending
Rectangular Tube Bending Hard Way
Channel Bending Toes In
Channel Bending Toes Out
Channel Bending Hard Way
I-Beam Bending Hard Way
I-Beam Bending Easy Way
Cylinder Rolling
H-Beam Bending Hard Way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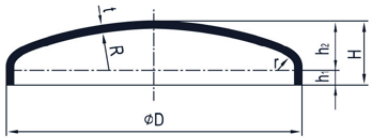
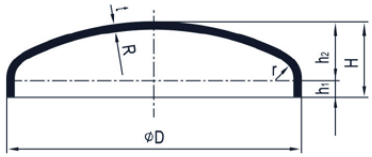
9 DISHED HEAD TYPES

Shallow Dished Head



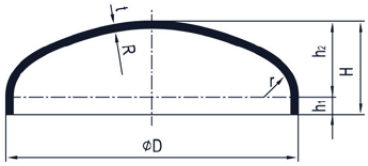
R (mm)	=	1,2D
r (mm)	=	0,05D
h1 (mm)	≥	3,5 t
h2 (mm)	≈	0,26D
H (mm)	≈	h1 + h2
Dp (mm)	≈	1,0654D + 1,7h1 (Blank Diameter)
V (mm³)	≈	0,06D³ (h1 = 0)
m (kg)	≈	2℗Dp²t (Dp Unit (m) / t Unit (mm))

Torispherical Head



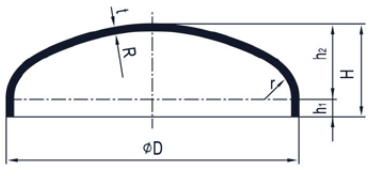
R (mm)	=	D
r (mm)	=	0,01D
h1 (mm)	≥	3,5 t
h2 (mm)	≈	0,2D
H (mm)	≈	h1 + h2
Dp (mm)	≈	1,12D + 1,7h1 (Blank Diameter)
V (mm³)	≈	0,01D³ (h1 = 0)
m (kg)	≈	2℗Dp²t (Dp Unit (m) / t Unit (mm))

Elliptical Head



R (mm)	=	0,8D
r (mm)	=	0,154D
h1 (mm)	≥	3,5 t
h2 (mm)	≈	0,26D
H (mm)	≈	h1 + h2
Dp (mm)	≈	1,174D + 1,7h1 (Blank Diameter)
V (mm³)	≈	0,013 D³ (h1 = 0)
m (kg)	≈	2℗Dp²t (Dp Unit (m) / t Unit (mm))

Asme 2:1 Elliptical Head

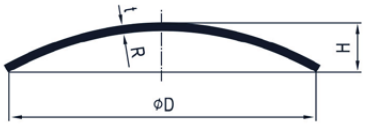


R (mm)	=	0,9D
r (mm)	=	0,17D
h1 (mm)	≥	3,5 t
h2 (mm)	≈	0,26D
H (mm)	≈	h1 + h2
Dp (mm)	≈	1,18D + 1,7 h1 (Blank Diameter)
V (mm³)	≈	0,132 D³ (h1 = 0)
m (kg)	≈	2℗Dp²t (Dp Unit (m) / t Unit (mm))

Flat Head

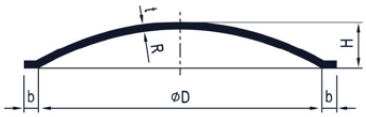
r (mm)	=	25-100
h1 (mm)	=	20-60
H (mm)	=	h1 + r+t
Dp (mm)	≈	D+r+1,7 h1 Blank Diameter
V (mm³)	≈	0,78 D2r-0,66Dr2 (h1 = 0)
m (kg)	=	2℗Dp²t (Dp Unit (m) / t Unit (mm))

Unflanged Dished Head



R (mm)	=	D
H (mm)	=	0,134D
t (mm)	=	Mar.50
Dp (mm)	≈	1,035D (Blank Diameter)
V (mm³)	≈	0,054 D³ (h1 = 0)
m (kg)	=	2℗Dp²t (Dp Unit (m) / t Unit (mm))

Flanged Head



R (mm)	≈	D
b (mm)	=	30-100
H (mm)	≈	0,134D
Dp (mm)	≈	1,035D + 2b (Blank Diameter)
V (mm^3)	=	0,054 D^3
m (kg)	=	2℗Dp^2t (Dp Unit (m) / t Unit (mm))

Reversed Dished Head

R (mm)	=	D
r (mm)	=	25-200
h1 (mm)	≥	20-50
H (mm)	=	r+t+h1
Dp (mm)	≈	1,02D + r + 1,7 h1
V (mm^3)	≈	(Blank Diameter)
m (kg)	≈	0,13 D^3 (h1 = 0)
		2℗Dp^2t (Dp Unit (m) / t Unit (mm))

Hemispherical Head

This product variant is custom-made.
Please contact us for more detailed information.

Flanged Dished Head

This product variant is custom-made.
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Coating Pan Head

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Conical Head

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Expansion Joint Head

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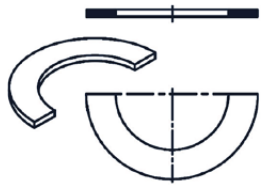
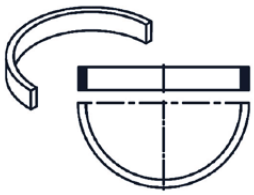
10 BENDING TYPES

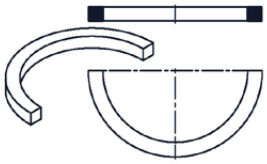
Hard Way Flat Bar Bending



Easy Way Flat Bar Bending

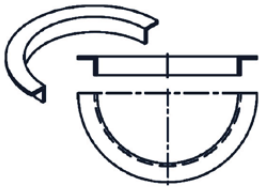


Square Bar Bending

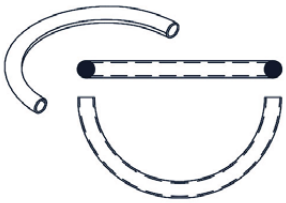


Angle Bending Leg In

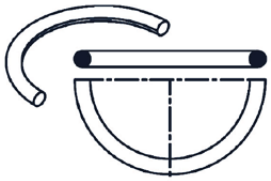
Angle Bending Leg Out



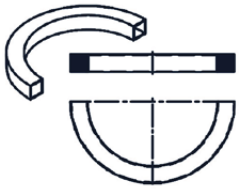
Pipe Bending



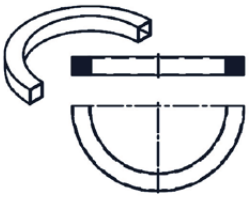
Solid Round Bar Bending



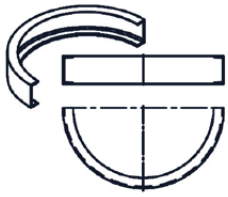
Square Tube Bending



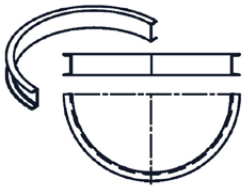
Rectangular Tube Bending Hard Way



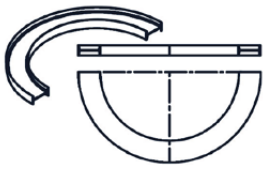
Channel Bending Toes In



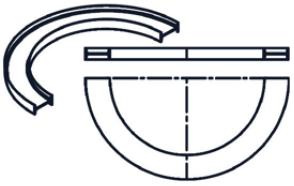
Channel Bending Toes Out



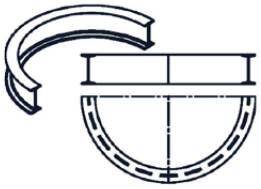
Channel Bending Hard Way



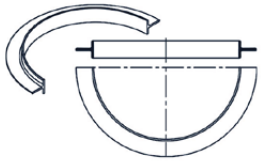
I-Beam Bending Hard Way



I-Beam Bending Easy Way



H-Beam Bending Hard Way



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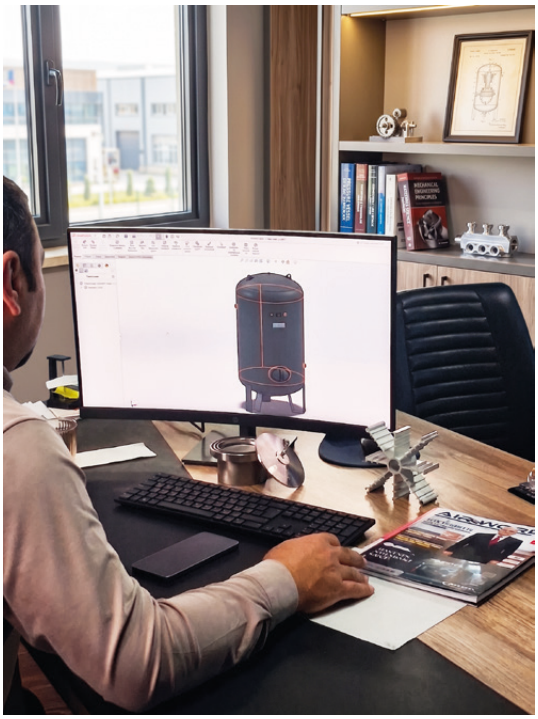

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