



# ATLAS

ÖLÇÜ ALETLERİ A.Ş.

*Save the Water, Save the Future*





## Who are we?



We provide modern and cost effective products (Valves, Flow Meters, Pumps, Agricultural Irrigation Systems, Heat Meters, Readout System, LoRaWAN RF System) and automation and power distribution solutions.

Atlas Sayaç A.S. is located Kayseri/Turkey, and it occupies an area of 10.000 square meters.

Atlas Sayaç A.S. is a Turkish company that has been designing, producing and distributing instruments, pump and valves solutions used for heating and cooling, for over 20 years.

The result of work of our engineers our company have onw patents, inventions and industrial desining registered in Turkey.

Atlas Sayaç A.S. employs over 150 employees in Turkey. The yearly production currently exceeds 200,000 units putting Atlas in a leading position at Turkish level.

The product range inculudes heat and water meters, readout systems (LoRa RF, GSM), pumps, heat cost allocators, fraquency converters, big size water meters, irrigation system valves, etc.





## References



DEVLET SU İŞLERİ  
GENEL MÜDÜRLÜĞÜ



TÜRKİYE CUMHURİYETİ  
ÇEVRE, ŞEHİRCİLİK VE  
İKLİM DEĞİŞİKLİĞİ BAKANLIĞI



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## Atlas Elastomer Seated Gate Valve



### Description

We can produce GG 25 Cast Iron, GGG 40 and GGG 50 Ductile Iron according to your choice of material for these valves, PN10/ PN16/ PN25, Seat Material EPDM ( WRASS ), Stem AISI-420 Stainless steel, Stem Seat CuSn12 material, A2-70 Bolt, Thermoplastic paint. The operating temperature is between -10° and +80°C, suitable for sea water and it can also be produced specially according to the demanded need.

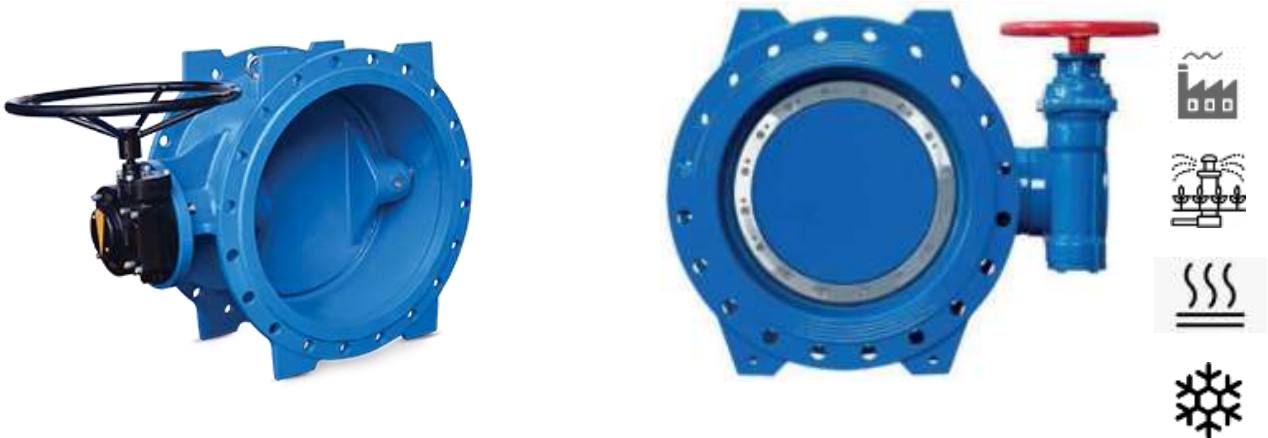
-DN 50 to DN 1000

-PN 10 to PN 25

Type	D [mm]	Length [mm]	Height [mm]
DN 50	165	150	200
DN 65	185	170	225
DN 80	200	180	256
DN 100	220	180	285
DN 125	250	200	330
DN 150	285	210	375
DN 200	340	230	470
DN 250	395	250	650
DN 300	445	270	720



## Butterfly Valve Double Eccentric Flanged



### Description

Double Eccentric structure ensures low operating torques with zero leakage performance. High impact resistance. Low moments are obtained by decreasing the friction through self-lubricating bushings. Can bear high stretching stresses on the pipeline through the ductile iron body and disc. Pressure loss is at minimum level by double shaft design. Sealing gaskets made of EPDM (default), NBR or VITON supplied according to operating conditions and demand can be disassembled and replaced easily in field conditions.

1 - BODY : GJS400	6 - BUSHES BONNET : GJS400	11 - KEY : ST 50	16 - BOLTS :8.8 ZINC PLATED
2 - DISC : GJS400	7 - SHORT : BUSH BRONCE	12 - BOLT : A2	17 - BOLTS :8.8 ZINC PLATED
3 - DRIVING SHAFT : AISI 420	8 - LONG : BUSH BRONCE	13 - O-RING :EPDM	18 - BOLTS AND NUTS :A2
4 - SHAFT : AISI 420	9 - TIGHTENING RING : GJS400	14 - O-RING :EPDM	19 - SEALING RING WELDED :AISI 316
5 - BONNET : GJS400	10 - RING : EPDM	15 - O-RING :EPDM	20 - PAINTING: Thermoplastic or Epoxy 400 µm



## Lift Type Check Vave



### Description

Swing check valves used to stop the return of the fluid in case of a lack of pressure, designed to work both with clean and dirty waters. Lever and counterweight can be added for a slow and safe closing.

- A2-70 Stainless steel bolts.
- WRASS certificate for drinking water.
- Max. working pressure according to design pressure PN10/16.
- Working temperature between -10°C and 90°C

DN (mm)	Length (mm)	Height (mm)
50	200	137
65	240	147
80	260	158
100	300	168
125	360	200
150	400	223
200	500	258
250	600	296
300	700	325





## Impectrt Free Dynamic Vacuum Lifter



### Description

Air Valves with operating temperature between  $-10^{\circ}\text{C}$  to  $+80^{\circ}\text{C}$  can be specially produced for requested needs. With advanced compound air dynamics design, valves can discharge air quickly, avoid air accumulation and formation of negative pressure. There is good sealing performance at low pressure. Materials GGG40, AISI304, AISI316 and floaters as AISI304 or polyamid.

- Available Sizes : DN25 to DN300
- Pressure Nominal : PN10- PN16
- Flange Standard TS ISO 7005-2 / TS EN 1092-2or also as your request
- Coating: Electrostatic Epoxy , Thermoplastic coating

DN (mm)	Length - Width (mm)	Height (mm)
DN 10	180	200
DN 15	220	250
DN 20	250	300
DN 25	280	350
DN 32	340	430
DN 40	400	480
DN 50	430	500
DN 65	540	600
DN 80	600	640





## Control Valve



## Description

Atlas solenoid control valve is the hydraulic control valve operated by line pressure and designed to ensure opening/closing process by means of built in 3-way solenoid pilot valve controlled remotely with electric signal. Electric signal for solenoid pilot valve is ensured by means of a control device, time relay, main switch and PLC control units etc.

Tip	DN [mm]	Uzunluk [mm]	Yükseklik [mm]
DN 50	125	150	200
DN 65	165	170	225
DN 80	200	180	255
DN 100	220	180	285
DN 125	255	200	330
DN 150	285	210	375
DN 200	345	230	470



## Dismantling Joint



DN	Y	ØD	ØD2	ØD1	L
80	19	200	80	160	180
100	19	220	100	180	200
125	19	250	125	210	200
150	19	285	150	240	200
200	20	340	195	295	200
250	22	395	250	350	220
300	24.5	445	296	400	220
350	24.5	505	350	460	230
400	24.5	565	400	515	230
450	25.5	615	450	565	240
500	26.5	670	500	620	260
600	30	760	597	725	260
700	32.5	895	696	840	260

### Description

- Potable water
- Distribution Lines
- Industrial Applications
- Chamber installation
- Water treatment plants
- Pumping stations
- Seawater applications
- Industry



## Prepaid Agricultural Irrigation Hydrant

With IOT and Smart Card interface



### Description

Agricultural irrigation hydrant; It is used to measure the pressure, flow rate, flowing water amount and limit the flowing water at the in-field water intake points of the water transported to the fields via the closed line with pressurized irrigation systems.

In short, we can say that the Hydraulic Irrigation Hydrant, which is in TSE and CE standards, fulfills the following 4 functions.

- To measure the amount of running water with the help of a meter.
- Max. to ensure that it does not exceed the limit amount.
- Pressure regulation (with the help of integrated regulator)
- Having a valve that allows on-off





## Ultrasonic Flow Meter



### Application

Water  
 Hot water / cooling systems  
 Oil and liquefied gases

### Benefits

- Design for industrial applications
- No pressure drop
- Conductive or non-conductive
- Reliable and accurate flow measurements
- Long-time stability
- Insensitivity of device to magnetic field

Type	DN [mm]	Min. Flow [m <sup>3</sup> /h]	Max. Flow [m <sup>3</sup> /h]	Length [mm]	Height [mm]	Width [mm]
SC350	50	0.100	40.00	300	193	105
SC500	85	0.150	63.00	300	203	105
SC500	80	0.250	100.00	300	230	200
SC8100	100	0.400	160.00	350	260	230
SC8125	125	0.625	250.00	350	297	270
SC8150	150	1.000	400.00	400	320	300
SC8200	200	1.575	630.00	400	427	375
SC8250	250	2.500	1000.00	500	482	450
SC8300	300	4.000	1600.00	500	547	515



## Ultrasonic Water Meter



### Key Features

- Produced according to the requirements of EN 14154 standards
- Ultrasonic measurement method gives more accurate results than classical mechanic heat meter measurement.
- The product does not have any moving part so that has a longer life than classical mechanic heat meters
- Low energy usage provides long-term battery life up to 10 years
- Maximum applicable pressure (MAP) is 16bar

Model	DN [mm]	Q <sub>1</sub> /Q <sub>2</sub>	Q <sub>3</sub> [m³/h]	Q <sub>4</sub> [m³/h]	Q <sub>5</sub> [m³/h]	Q <sub>6</sub> [m³/h]	Length (L) [mm]	Height (H) [mm]	Weight (W) [kg]
USM15	15	R100	2.000/ 3.125	1.800/ 2.500	0.000/ 0.010	0.004/ 0.006	110	84	83
USM25	25	R100	3.125/ 5.000	2.800/ 4.000	0.010/ 0.016	0.006/ 0.010	130	86	83
USM25	25	R100	7.575	6.300	0.025	0.015	150	94	83
USM32	32	R100	12.500	10.000	0.040	0.025	160	100	83
USM40	40	R100	31.250	25.000	0.100	0.060	200	120	83
USM50	50	R100	50.000	40.000	0.160	0.100	200	165	165
USM63	63	R100	75.750	63.000	0.250	0.160	250	180	180
USM80	80	R100	125.000	100.000	0.400	0.250	220	200	200
USM100	100	R100	200.000	160.000	0.640	0.400	330	220	220
USM125	125	R100	312.500	250.000	0.840	0.400	330	250	250
USM150	150	R100	312.500	250.000	1.000	0.600	390	280	280
USM200	200	R100	600.000	400.000	1.600	1.000	330	340	340
USM250	250	R100	757.500	600.000	2.520	1.580	450	400	400
USM300	300	R100	938.00	1.800.00	4.000	2.500	500	460	460

## Remote Control Valve



### Description

Remote control Valves are used on the purpose of on/ off and regulation. This larger actuator area difference produces bigger control forces than required to close the valve, stopping the flow to the zero-flow condition. This larger actuator areadifference produces bigger control forces than required to close the valve, stopping the flow to the zero-flow condition

Type	DN (mm)	Control Option
Atlas GKV 15	15	GSM / Radio Frequency / LoRa
Atlas GKV 20	20	GSM / Radio Frequency / LoRa
Atlas GKV 32	32	GSM / Radio Frequency / LoRa
Atlas GKV 40	40	GSM / Radio Frequency / LoRa
Atlas GKV 50	50	GSM / Radio Frequency / LoRa
Atlas GKV 65	65	GSM / Radio Frequency / LoRa
Atlas GKV 80	80	GSM / Radio Frequency / LoRa
Atlas GKV 100	100	GSM / Radio Frequency / LoRa
Atlas GKV 125	125	GSM / Radio Frequency / LoRa
Atlas GKV 150	150	GSM / Radio Frequency / LoRa
Atlas GKV 200	200	GSM / Radio Frequency / LoRa





## Ultrasonic Heat Meter



### Description

Produced according to the requirements of EN 1434 standards  
 MID approved. Ultrasonic measurement method gives more accurate results  
 than classical mechanic heat meter measurement.

The product does not have any moving part so that has a longer life than  
 classical mechanic heat meters. Low energy usage provides long-term battery  
 life up to 10 years. Easy to display with rotatable and demountable screen.  
 Temperature measurement range: 5°C - 90°C. Maximum applicable pressure  
 (MAP) is 16bar. 1" external gear connection. 3/4" fitting set of meter is not  
 covered by delivery.

Type	DN [mm]	Nominal Flow ( $q_p$ ) [m³/h]	Minimum Flow ( $q_l$ ) [m³/h]
UKM15	15	0,60 / 1,50	0,012 / 0,03
UKM20	20	2,50	0,05
UKM25	25	3,50	0,07
UKM32	32	6,00	0,06
UKM40	40	10,00	0,10





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