

## ABOUT US



Established in 1970's as steel works manufacturing company at Istanbul by our founder Mr. Mehmet Yagci. At the date our company was the first stainless steel kitchenware manufacturer at Turkey. With growing sales activities during timeline company strongly had grown fastly and became leader manufacturer at 1980's at national market. By the first quarter of 1980's the second generation of family took responsibility of managing, started to export goods to international market. Especially european market and near region of Turkey were target supply areas for company. At early 2000's company started to manufacture vessels for export and import. Now, getting together long manufacturing experience, global thinking trend, quality development, price optimization for supply the best service to customers. Third generation managers are looking forward to grow company and cede company future generations.

Employers and manager has open thinking and development mind to manufacture and sale higher quality goods, our teams' education and experience getting more by time, certified quality respects our works in objective way.

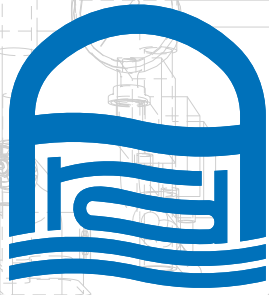
Our company vision is; well-educated, experienced, customer focused and serving best organization, casing that values, respecting customers and sector.

Our company mission is; with the casing our values and grow our company at all abilities. To become leader at sector and give better service to our customers. To give more sensitivity environment and safety. Trading and manufacturing ethics is our main and indispensable value.

### CERTIFICATIONS:

**ISO 9001:2015;** certificate for all departments and scopes of business. **CE, European Declaration of Conformity;** our products available in 10, 16 and 25 bar all respectively. According to **EN 13831** standarts. **Trade Mark Registration;** our company trade marks are under security of national and international registration authorities. **WRAS;** our products suitable for potable water installations.





10 Bar  
Expansion  
Vessels

Technical Specifications	
Production vessel volumes	2 - 5000 lt.
Max. working pressure	10 bar
Operating temperature	-10 / +100°C
Factory precharge (2-80 lt.)	3 bar
Factory precharge (100-5000lt)	4 bar
Raw material	High grade carbon steel
Membrane material (bladder)	EPDM/BUTYL
Coating (cover)	Electro-static powder coating
Types of vessels	Vertical, vertical with legs and horizontal
Certifications	PED/2014/68/EU directive, WRAS, EN 13831
Area of use	Potable water, heating
Color	Blue / Red

10 bar pressure vessels with replaceable membrane. This line is ideal for every modern installation and can be applied to any type of pump. A compressor is not necessary since an air cushion, separated from the water by the EPDM membrane, maintains, a constant pressure in the tank. These tanks can also be provided with stainless steel flanges. Available capacities are from 2 to 5000 liters. They can be certified by the

### PED/97/23/EU, WRAS and EN 13831

VERTICAL VESSELS									
Product Code	Capacity (liters)	Max. Working Pressure (BAR)	Connection	Dimensions Ø mm h mm		Precharge Pressure (BAR)	Working Temperature °C	Membrane	Type
ARD-WL-2V-10	2	10	¾" G	162	205	3	-10 / +100°C	EPDM	Without legs
ARD-WL-5V-10	5	10	¾" G	162	310	3	-10 / +100°C	EPDM	Without legs
ARD-WL-8V-10	8	10	¾" G	215	350	3	-10 / +100°C	EPDM	Without legs
ARD-WL-12V-10	12	10	¾" G	215	400	3	-10 / +100°C	EPDM	Without legs
ARD-WL-18V-10	18	10	1" G	250	400	3	-10 / +100°C	EPDM	Without legs
ARD-WL-24V-10	24	10	1" G	250	430	3	-10 / +100°C	EPDM	Without legs
ARD-WL-35V-10	35	10	1" G	370	400	3	-10 / +100°C	EPDM	Without legs
ARD-WL-50V-10	50	10	1" G	370	695	3	-10 / +100°C	EPDM	With legs
ARD-WL-60V-10	60	10	1" G	370	800	3	-10 / +100°C	EPDM	With legs
ARD-WL-80V-10	80	10	1" G	450	800	3	-10 / +100°C	EPDM	With legs
ARD-WL-100V-10	100	10	1" G	450	900	4	-10 / +100°C	EPDM	With legs
ARD-WL-150V-10	150	10	1" G	520	1100	4	-10 / +100°C	EPDM	With legs
ARD-WL-200V-10	200	10	1" G	600	1100	4	-10 / +100°C	EPDM	With legs
ARD-WL-300V-10	300	10	1¼" G	640	1200	4	-10 / +100°C	EPDM	With legs
ARD-WL-500V-10	500	10	1½" G	750	1500	4	-10 / +100°C	EPDM	With legs
ARD-WL-750V-10	750	10	1½" G	750	2000	4	-10 / +100°C	EPDM	With legs
ARD-WL-1000V-10	1000	10	2" G	800	2200	4	-10 / +100°C	EPDM	With legs
ARD-WL-2000V-10	2000	10	2" G	1100	2500	4	-10 / +100°C	EPDM	With legs
ARD-WL-3000V-10	3000	10	3" G	1200	2850	4	-10 / +100°C	BUTYL	With legs
ARD-WL-5000V-10	5000	10	3" G	1450	3750	4	-10 / +100°C	BUTYL	With legs

HORIZONTAL VESSELS									
Product Code	Capacity (liters)	Max. Working Pressure (BAR)	Connection	Dimensions			Precharge Pressure (BAR)	Working Temperature °C	Membrane
				Ø mm	h mm	l mm			
ARD-WL-18H-10	18	10	1" G	250	300	400	3	-10 / +100°C	EPDM
ARD-WL-24H-10	24	10	1" G	250	300	430	3	-10 / +100°C	EPDM
ARD-WL-50H-10	50	10	1" G	370	420	580	3	-10 / +100°C	EPDM
ARD-WL-60H-10	60	10	1" G	370	420	680	3	-10 / +100°C	EPDM
ARD-WL-80H-10	80	10	1" G	460	500	620	3	-10 / +100°C	EPDM
ARD-WL-100H-10	100	10	1" G	460	500	750	4	-10 / +100°C	EPDM
ARD-WL-200H-10	200	10	1" G	600	700	950	4	-10 / +100°C	EPDM
ARD-WL-300H-10	300	10	1¼" G	640	740	1100	4	-10 / +100°C	EPDM
ARD-WL-500H-10	500	10	1½" G	750	850	1400	4	-10 / +100°C	EPDM

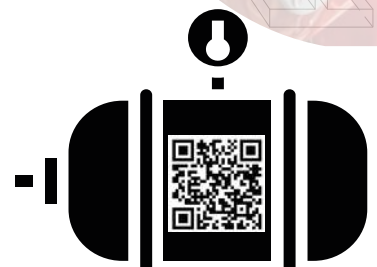


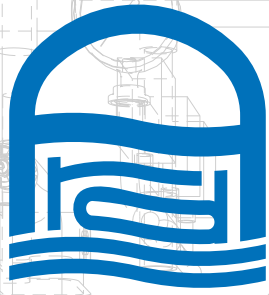
ISO  
9001:2015  
REGISTERED

cen  
EN 13831

WRAS

CE  
PED/2014/68/EU





16 Bar  
Expansion  
Vessels

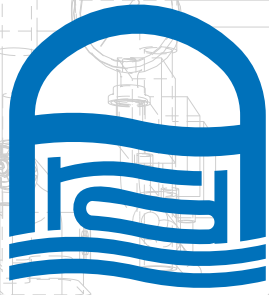
Technical Specifications	
Production vessel volumes	8 - 5000 lt.
Max. working pressure	16 bar
Operating temperature	-10 / +100°C
Factory precharge (8-80 lt.)	4 bar
Factory precharge (100-5000lt)	5 bar
Raw material	High grade carbon steel
Membrane material (bladder)	EPDM/BUTYL
Coating (cover)	Electro-static powder coating
Types of vessels	Vertical, vertical with legs
Certifications	PED/2014/68/EU directive, WRAS, EN 13831
Area of use	Potable water
Color	Blue / Red

16 bar pressure vessels with replaceable membrane. This line is ideal for every modern installation and can be applied to any type of pump. A compressor is not necessary since an air cushion, separated from the water by the EPDM membrane, maintains a constant pressure in the tank. These tanks can also be provided with stainless steel flanges. Available capacities are from 8 to 5000 liters. They can certified by the

**PED/2014/68/EU, WRAS and EN 13831**

VERTICAL VESSELS									
Product Code	Capacity (liters)	Max. Working Pressure (BAR)	Connection	Dimensions Ø mm h mm		Precharge Pressure (BAR)	Working Temperature °C	Membrane	Type
ARD-WL-8V-16	8	16	¾" G	215	350	4	-10 / +100°C	EPDM	Without legs
ARD-WL-24V-16	24	16	1" G	250	430	4	-10 / +100°C	EPDM	Without legs
ARD-WL-50V-16	50	16	1" G	370	695	4	-10 / +100°C	EPDM	With legs
ARD-WL-80V-16	80	16	1" G	450	800	4	-10 / +100°C	EPDM	With legs
ARD-WL-100V-16	100	16	1" G	450	900	5	-10 / +100°C	EPDM	With legs
ARD-WL-200V-16	200	16	1¼" G	600	1100	5	-10 / +100°C	EPDM	With legs
ARD-WL-300V-16	300	16	1¼" G	640	1200	5	-10 / +100°C	EPDM	With legs
ARD-WL-500V-16	500	16	1¼" G	750	1500	5	-10 / +100°C	EPDM	With legs
ARD-WL-750V-16	750	16	1¼" G	750	2000	5	-10 / +100°C	EPDM	With legs
ARD-WL-1000V-16	1000	16	2" G	800	2200	5	-10 / +100°C	EPDM	With legs
ARD-WL-2000V-16	2000	16	2" G	1100	2500	5	-10 / +100°C	EPDM	With legs
ARD-WL-3000V-16	3000	16	3" G	1200	2850	5	-10 / +100°C	BUTYL	With legs
ARD-WL-5000V-16	5000	16	3" G	1450	3750	5	-10 / +100°C	BUTYL	With legs





25 Bar  
Expansion  
Vessels

### Technical Specifications

Production vessel volumes	8 - 5000 lt.
Max. working pressure	25 bar
Operating temperature	-10 / +100°C
Factory precharge (8-80 lt.)	4 bar
Factory precharge (100-5000lt)	5 bar
Raw material	High grade carbon steel
Membrane material (bladder)	EPDM/BUTYL
Coating (cover)	Electro-static powder coating
Types of vessels	Vertical, vertical with legs
Certifications	PED/2014/68/EU directive, WRAS, EN 13831
Area of use	Potable water
Color	Blue / Red

25 bar pressure vessels with replaceable membrane. This line is ideal for every modern installation and can be applied to any type of pump. A compressor is not necessary since an air cushion, separated from the water by the EPDM membrane, maintains a constant pressure in the tank. These tanks can also be provided with stainless steel flanges. Available capacities are from 8 to 5000 liters. They can be certified by the

**PED/2014/68/EU, WRAS and EN 13831**

### VERTICAL VESSELS

Product Code	Capacity (liters)	Max. Working Pressure (BAR)	Connection	Dimensions		Precharge Pressure (BAR)	Working Temperature °C	Membrane	Type
				Ø mm	h mm				
ARD-WL-8V-25	8	25	¾" G	215	350	4	-10 / +100°C	EPDM	Without legs
ARD-WL-24V-25	24	25	1" G	250	430	4	-10 / +100°C	EPDM	Without legs
ARD-WL-50V-25	50	25	1" G	370	695	4	-10 / +100°C	EPDM	With legs
ARD-WL-80V-25	80	25	1" G	450	800	4	-10 / +100°C	EPDM	With legs
ARD-WL-100V-25	100	25	1" G	450	900	5	-10 / +100°C	EPDM	With legs
ARD-WL-200V-25	200	25	1¼" G	600	1100	5	-10 / +100°C	EPDM	With legs
ARD-WL-300V-25	300	25	1¼" G	640	1200	5	-10 / +100°C	EPDM	With legs
ARD-WL-500V-25	500	25	1¼" G	750	1500	5	-10 / +100°C	EPDM	With legs
ARD-WL-750V-25	750	25	1¼" G	750	2000	5	-10 / +100°C	EPDM	With legs
ARD-WL-1000V-25	1000	25	2" G	800	2200	5	-10 / +100°C	EPDM	With legs
ARD-WL-2000V-25	2000	25	2" G	1100	2500	5	-10 / +100°C	EPDM	With legs
ARD-WL-3000V-25	3000	25	3" G	1200	2850	5	-10 / +100°C	BUTYL	With legs
ARD-WL-5000V-25	5000	25	3" G	1450	3750	5	-10 / +100°C	BUTYL	With legs



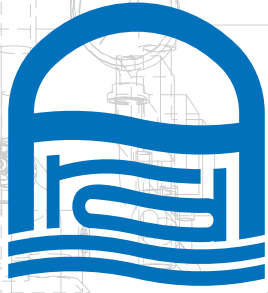
ISO  
9001:2015  
REGISTERED

cen  
EN 13831

WRAS

CE  
PED/2014/68/EU





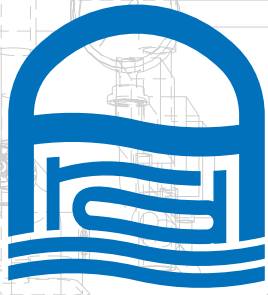
Solar Expansion Vessels

Technical Specifications	
Production vessel volumes	5 - 500 lt.
Max. working pressure	10 bar
Operating temperature	-10 / +110°C
Factory precharge (5-80 lt.)	3 bar
Factory precharge (100-500lt)	4 bar
Raw material	High grade carbon steel
Membrane material (bladder)	SBR / BUTYL
Coating (cover)	Electro-static powder coating
Types of vessels	Vertical, vertical with legs
Certifications	PED/2014/68/EU directive, EN 13831
Area of use	Solar energy applications
Color	Red / White

In the solar circuit, the particularly high temperature requires heat relief. The solar liquid reaches temperatures very high. Evaporates and can reach the solar station damaging essential parts such as pumps, fittings, gaskets and above all the tank membrane. Our special synthetic rubber membrane is specifically designed for SOLARLINE expansion vessels tanks, suitable to absorb the water expansion volume generated by a changing temperature, as well as tanks for cold water sanitary systems.

VERTICAL VESSELS									
Product Code	Capacity (liters)	Max. Working Pressure (BAR)	Connection	Dimensions Ø mm h mm		Precharge Pressure (BAR)	Working Temperature °C	Membrane	Type
ARD-SL-5V-10	5	10	¾" G	162	310	3	-10 / +110°C	SBR / EPDM	Without legs
ARD-SL-8V-10	8	10	¾" G	215	350	3	-10 / +110°C	SBR / EPDM	Without legs
ARD-SL-12V-10	12	10	¾" G	215	400	3	-10 / +110°C	SBR / EPDM	Without legs
ARD-SL-18V-10	18	10	1" G	250	400	3	-10 / +110°C	SBR / EPDM	Without legs
ARD-SL-24V-10	24	10	1" G	250	430	3	-10 / +110°C	SBR / EPDM	Without legs
ARD-SL-35V-10	35	10	1" G	370	400	3	-10 / +110°C	SBR / EPDM	Without legs
ARD-SL-50V-10	50	10	1" G	370	695	3	-10 / +110°C	SBR / EPDM	With legs
ARD-SL-80V-10	80	10	1" G	450	800	3	-10 / +110°C	SBR / EPDM	With legs
ARD-SL-100V-10	100	10	1" G	450	900	4	-10 / +110°C	SBR / EPDM	With legs
ARD-SL-200V-10	200	10	1" G	600	1100	4	-10 / +110°C	SBR / EPDM	With legs
ARD-SL-300V-10	300	10	1½" G	640	1200	4	-10 / +110°C	SBR / EPDM	With legs
ARD-SL-500V-10	500	10	1½" G	750	1500	4	-10 / +110°C	SBR / EPDM	With legs





Inox  
Expansion  
Vessels

Technical Specifications	
Production vessel volumes	8 - 500 lt.
Max. working pressure	10 bar
Operating temperature	-10 / +100°C
Factory precharge (8-80 lt.)	3 bar
Factory precharge (100-500lt)	4 bar
Raw material	ANSI 304 stainless steel
Membrane material (bladder)	EPDM
Coating (cover)	Polisher finishing
Types of vessels	Vertical, vertical with legs, horizontal
Certifications	PED/2014/68/EU directive, WRAS, EN 13831
Area of use	Multi hydro applications
Color	Natural



The expansion tanks in this line are entirely made of stainless steel. They are especially used for systems that produce sanitary hot water produced by a boiler or from plate heat exchangers. They are excellent choices for situations that require high hygienic standards and product life time that is practically limitless. The membrane is absolutely non-toxic and is drinking and food grade. They can also be used reduced flow pumps. Available volumes range from 8 to 500 liters, horizontal or vertical.

VERTICAL VESSELS										
Product Code	Capacity (liters)	Max. Working Pressure (BAR)	Connection	Dimensions			Precharge Pressure (BAR)	Working Temperature °C	Membrane	Type
				Ø mm	h mm	l mm				
ARD-IL-8V-10	8	10	¾" G	215	350		3	-10 / +100°C	EPDM	without legs
ARD-IL-24V-10	24	10	1" G	250	430		3	-10 / +100°C	EPDM	without legs
ARD-IL-50V-10	50	10	1" G	370	695		3	-10 / +100°C	EPDM	with legs
ARD-IL-100V-10	100	10	1" G	450	900		4	-10 / +100°C	EPDM	with legs
ARD-IL-200V-10	200	10	1" G	600	1100		4	-10 / +100°C	EPDM	with legs
ARD-IL-300V-10	300	10	1½" G	640	1200		4	-10 / +100°C	EPDM	with legs
ARD-IL-500V-10	500	10	1½" G	750	1500		4	-10 / +100°C	EPDM	with legs

HORIZONTAL VESSELS										
Product Code	Capacity (liters)	Max. Working Pressure (BAR)	Connection	Dimensions			Precharge Pressure (BAR)	Working Temperature °C	Membrane	
				Ø mm	h mm	l mm				
ARD-IL-24H-10	24	10	1" G	250	300	430	3	-10 / +100°C	EPDM	
ARD-IL-50H-10	50	10	1" G	370	420	580	3	-10 / +100°C	EPDM	
ARD-IL-100H-10	100	10	1" G	460	500	750	4	-10 / +100°C	EPDM	
ARD-IL-200H-10	200	10	1" G	600	700	950	4	-10 / +100°C	EPDM	
ARD-IL-300H-10	300	10	1½" G	640	740	1100	4	-10 / +100°C	EPDM	
ARD-IL-500H-10	500	10	1½" G	750	850	1400	4	-10 / +100°C	EPDM	

Technical Specifications	
Production vessel volumes	2 - 5000 lt.
Operating temperature	-10 / +100°C
Membrane material (bladder)	EPDM / BUTYL / SBR
Certifications	EN 13831
Area of use	Heating applications
Color	Black



Membranes are our most necessary spare parts. Company can sell membrane both as spare part or trade. All size of membrane are at stock and suitable for shipment.

Membranes

Product Code	Capacity (liters)	Dimensions			Working Temperature °C	Membrane
		Vessel hole Ø(mm)	Mouth outer Ø(mm)	Length (mm)		
ARD-MBR-2-5	2-5	50	75	155	-10 / +100°C	EPDM / BUTYL / SBR
ARD-MBR-8-12	8-12	50	75	275	-10 / +100°C	EPDM / BUTYL / SBR
ARD-MBR-18-24	18-24	85	115	260	-10 / +100°C	EPDM / BUTYL / SBR
ARD-MBR-35-50	35-50	85	115	340	-10 / +100°C	EPDM / BUTYL / SBR
ARD-MBR-60-80	60-80	85	115	560	-10 / +100°C	EPDM / BUTYL / SBR
ARD-MBR-80-100	80-100	85	115	710	-10 / +100°C	EPDM / BUTYL / SBR
ARD-MBR-100-150	100-150	85	115	730	-10 / +100°C	EPDM / BUTYL / SBR
ARD-MBR-150-200	150-200	85	115	810	-10 / +100°C	EPDM / BUTYL / SBR
ARD-MBR-200-300	200-300	150	200	1000	-10 / +100°C	EPDM / BUTYL / SBR
ARD-MBR-500-750	500-750	150	200	1500	-10 / +100°C	EPDM / BUTYL / SBR
ARD-MBR-1000-1500	1000-1500	200	260	2100	-10 / +100°C	EPDM / BUTYL / SBR
ARD-MBR-1500-2000	1500-2000	200	260	2550	-10 / +100°C	EPDM / BUTYL / SBR
ARD-MBR-3000	3000	200/260	260/315	2850	-10 / +100°C	EPDM / BUTYL / SBR
ARD-MBR-5000	5000	200/260	260/315	3750	-10 / +100°C	EPDM / BUTYL / SBR

ISO  
9001:2015  
REGISTERED

cen  
EN 13831

WRAS

CE  
PED/2014/68/EU





Denizli Mah. Gazi Mustafa Kemal Cd.  
No:176/C, 41400  
Gebze/Kocaeli/TURKEY  
Gsm.: +90 533 266 80 77  
[www.ardvessels.com](http://www.ardvessels.com)  
[info@ardvessels.com](mailto:info@ardvessels.com)

