



TECHNICAL DATASHEET

Pressure Tanks with Membrane

Pressure tanks with replaceable stainless steel membrane.



JOVAL pressure tanks with replaceable stainless steel membrane. Produced under strict quality control, these tanks guarantee reliability and efficiency in water abstraction, pressurization, and distribution systems.

JOVAL's accumulated experience and proximity to installers allow us to offer solutions tailored to the field's demands — with superior durability, easy assistance, and guaranteed replacement throughout Europe. The inner membrane completely separates water from air, preventing tank corrosion and ensuring constant pressure stability in the hydraulic network.

APPLICATIONS

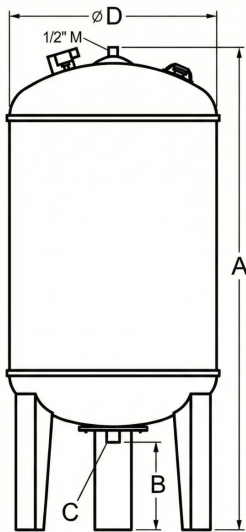
- Urban and rural water supply.
- Industrial processes and pressurization systems.
- Agricultural irrigation and gardens.
- Hydropneumatic systems.
- Domestic, agricultural, and industrial use.

TECHNICAL DATA

TECHNICAL SPECIFICATIONS

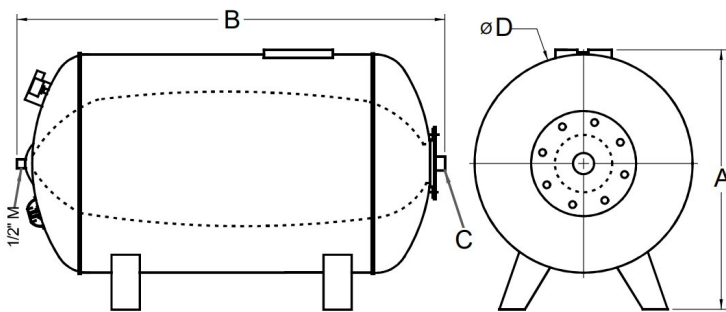
Material	Stainless Steel AISI 304 (1.4301)
Membrane	EPDM (Replaceable)
Max Temperature	0°C / +70°C
Maximum Pressure	5 bar / 6 bar / 8 bar
Pre-charge	2 bar
Standards	European Directive 2014/68/EU (Pressure Equipment)

DIMENSIONS AND MODELS - VERTICAL



Model	Capacity (L)	Maximum Pressure (Bar)	Diâmetro D (mm)	Altura A (mm)	Altura de Ligação B (mm)	Entrada / Saída C (")
20 VIM	20,0	8,0	265,0	465,0		1"
24 VIM	24,0	8,0	320,0	415,0		1"
50 VIM	50,0	8,0	365,0	800,0	160,0	1"
70 VIM	70,0	8,0	400,0	820,0	150,0	1"
100 VIM	100,0	8,0	480,0	925,0	135,0	1"
100 VIM *	100,0	8,0	480,0	930,0	135,0	1"
200 VIM *	200,0	5 / 6 / 8	560,0	1.285,0	185,0	1" ½
300 VIM *	300,0	5 / 6 / 8	640,0	1.320,0	170,0	1" ½
500 VIM *	500,0	8,0	800,0	1.470,0	160,0	1" ½
750 VIM *	750,0	8,0	800,0	1.930,0	160,0	2"
1000 VIM *	1.000,0	8,0	930,0	1.730,0	170,0	2"

DIMENSIONS AND MODELS - HORIZONTAL



Model	Capacity (L)	Maximum Pressure (Bar)	Altura A (mm)	Entrada / Saída C (mm)	Comprimento B (mm)	Diâmetro D (mm)	Connection
20 HIM	20,0	8,0	290,0	130,0	420,0	265,0	1"
50 HIM	50,0	8,0	405,0	200,0	655,0	365,0	1"
70 HIM	70,0	8,0	440,0	215,0	660,0	400,0	1"
100 HIM	100,0	8,0	525,0	255,0	775,0	480,0	1"
200 HIM	200,0	5 / 6 / 8	670,0	355,0	1.120,0	540,0	1" ½
300 HIM	300,0	5 / 6 / 8	760,0	400,0	1.170,0	635,0	1" ½

LIST OF MATERIALS

Pos.	Description	Material
1	Body	Aço Inox AISI 304 (1.4301)
2	Membrane	EPDM
3	Flange	Aço Inox AISI 304 (1.4301)

USAGE CONDITIONS

- The system must include a pressure-limiting safety device.
- Recommended periodic verification (biannually).
- Pre-charge: Verificar sem água; ajustar conforme etiqueta (+/- 20%)
- Proibido perfurar ou soldar o reservatório
- 3-year warranty against manufacturing defects.