

# Pearl<sup>®</sup> *Water Systems*

**Steel Tanks with  
Exchangeable  
Membrane**



# MINIX

The MNX Steel Tanks Series are ideally suited for a wide range of applications, including boosting systems, irrigation systems and hidraulic hammer arresting.

The MNX are made of steel, they have an elastic membrane made in Italy in EPDM or BUTYL, FDA certified. The membrane is fixed to the tank through the galvanized or stainless steel flange, which allows it to be changed or replaced for future maintenance. The membrane will contain the water preventing it from touching the internal membrane of the tank. A bronze valve sealed with a plug and an O-Ring (OR) prevents air leaking.

The external coating of the MNX Steel Tanks, with double layer EPOXY paint, with a final finish in POLYURETHANE provides hundreds of hours of UV protection and in aggressive environments.



## FEATURES

- Interchangeable membrane in EPDM. Available in Butyl upon request.
- Epoxy paint with double layer and finished in Polyurethane.
- General certifications: ISO 9001: 2015, CE, PD-CE 2014/68 / EU
- Membrane certifications: DIN 4807-3, NSF-61, WRAS, BS-6920.
- 100% Factory Tested.
- Vertical tanks from 200 liters onwards include a pressure gauge.
- Horizontal tanks: Polypropylene pump base and tank.
- Available in 16 bar and 25 bar

## Nomenclature

**MNX**

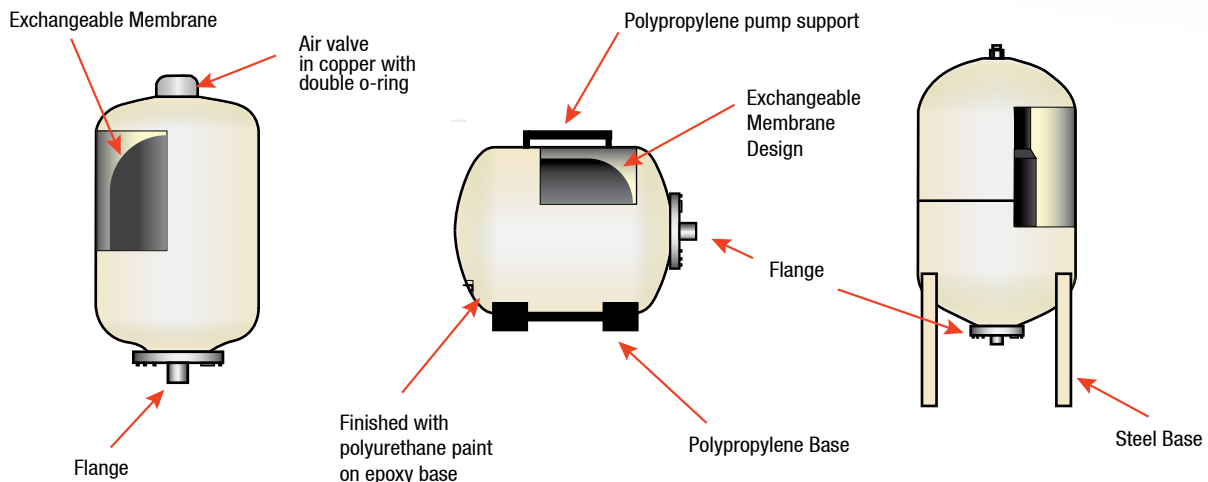
**MODEL**  
M = Metallic  
N = NPT Thread  
X = Exchangeable Membrane

**200**

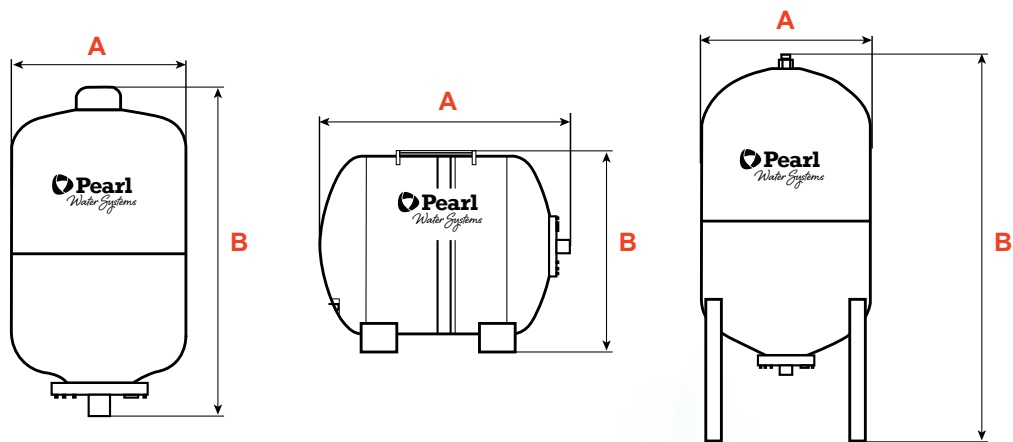
**VOLUME**  
Nominal volume tank in Liters

**V**

**TYPE**  
S = Spherical  
H = Horizontal  
V = Vertical



# MNX - Steel Tanks with Exchangeable Membrane Series



MNX STEEL TANK SERIES SPECIFICATIONS										
MODEL	NOMINAL CAPACITY		CONNECTIONS	DIMENSIONS				PRECHARGE	SHIPPING BOX VOLUMEN	
	[ lts ]	[ gal ]		[ in ]	A		B		[ m <sup>3</sup> ]	[ ft <sup>3</sup> ]
				[ cm ]	[ in ]	[ cm ]	[ in ]	[ PSI ] / [ bar ]		
<b>INLINE MODELS</b>										
MNX2S	2	0.5	3/4" *	22.0	8.7	16.0	6.3	30/2	0.004	0.14
MNX5S	5	1.3	3/4" *	28.5	11.2	16.0	6.3	30/2	0.009	0.31
MNX8S	8	2.1	3/4" *	35.5	14.0	20.0	7.9	30/2	0.015	0.53
MNX12S	12	3.2	3/4" *	37.5	14.8	24.0	9.4	30/2	0.024	0.85
MNXE24S	24	6.3	1" *	38.5	15.2	27.0	10.6	30/2	0.030	1.07
MNX24S	24	6.3	1" *	43.5	17.1	30.0	11.8	30/2	0.045	1.59
MNX35S	35	9.3	1" *	44.0	17.3	35.0	13.8	30/2	0.006	0.21
<b>HORIZONTAL MODELS</b>										
MNX20H	20	5.3	1" *	41.5	16.3	30.5	12.0	30/2	0.033	1.17
MNX24H	24	6.3	1" *	46.5	18.3	33.5	13.2	30/2	0.038	1.34
MNX35H	35	9.3	1" *	44.0	17.3	38.5	15.2	30/2	0.068	2.40
MNX50H	50	13.2	1" *	59.0	23.2	38.5	15.2	30/2	0.083	2.93
MNX60H	60	15.9	1" *	65.0	25.6	38.5	15.2	30/2	0.010	0.35
MNX80H	80	21.2	1" *	70.0	27.6	44.5	17.5	40/3	0.131	4.64
MNX100H	100	26.5	1" *	68.0	26.8	54.5	21.5	40/3	0.230	8.11
<b>VERTICAL MODELS WITH BASE</b>										
MNX50V	50	13.2	1" *	72.2	28.4	35.0	13.8	40/3	0.126	4.45
MNX60V	60	15.9	1" *	80.0	31.5	35.0	13.8	40/3	0.131	4.63
MNX80V	80	21.2	1" *	91.6	36.1	40.0	15.7	40/3	0.170	6.00
MNX100V	100	26.5	1" *	88.6	34.9	50.0	19.7	40/3	0.234	8.28
MNX150V	150	39.7	1" *	108.5	42.7	50.0	19.7	40/3	0.340	12.01
MNX200V	200	52.9	1 1/4" *	103.0	40.6	58.5	23.0	40/3	0.419	14.79
MNX300V	300	79.4	1 1/4" *	123.0	48.4	63.5	25.0	60/4	0.528	18.65
MNX500V	500	132.3	1 1/4" *	153.0	60.2	75.0	29.5	60/4	0.910	32.13
MNX750V	750	198.4	2" *	172.0	67.7	80.0	31.5	60/4	1.30	45.91
MNX850V	850	224.9	2" *	202.0	79.5	80.0	31.5	60/4	1.48	52.09
MNX1000V	1000	264.6	2" *	219.5	86.4	80.0	31.5	60/4	1.90	67.10
MNX1500V	1500	396.8	2" *	235.0	92.5	95.8	37.7	60/4	3.02	106.65
MNX2000V	2000	529.1	2" *	245.0	96.5	110.0	43.3	60/4	3.72	131.37
MNX2500V	2500	661.4	3" *	270.0	106.3	110.0	43.3	60/4	4.15	146.56
MNX3000V	3000	793.7	3" *	270.0	106.3	120.0	47.2	60/4	4.50	158.92
MNX4000V	4000	1,058.2	3" *	310.0	122.0	145.0	57.1	60/4	6.00	211.89
MNX5000V	5000	1,322.8	3" *	340.0	133.9	145.0	57.1	60/4	7.50	264.86
MNX10000V	10000	2,645.5	3" *	590.0	232.3	160.0	63.0	60/4	15.00	529.73

\* Tank connection male NPT



**MINX**

Steel Tanks with Exchangeable Membrane

