GOULDS WATER TECHNOLOGY
xylem

Technical brochure
GWT-PMTk-TB-4000036 R1



Diaphragm Tanks

ProMax® Plus water system tank

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Introduction

ProMax® Series Diaphragm Pump Tanks are designed to deliver reliable and efficient water storage solutions for residential, commercial, and agricultural applications. Engineered with a durable diaphragm design, these tanks ensure consistent pressure performance while reducing pump cycling, extending the life of your pump system.

Features

Horizontal models: Feature a universal jet pump bracket and two (2) bolt-on, corrosion-resistant, high density polypropylene feet for installations with limited headspace, such as under mobile homes.

Uni-weld design: Two-piece construction (on many models) creates only one weld on the tank.

Powder coated water chamber: Provides maximum protection against corrosion.

Heavy duty parabolic diaphragm: this diaphragm design has improved diaphragm life by reducing abrasive wear. The diaphragm separates air and water to maintain the tank's air charge. The Butyl rubber diaphragm is an FDA approved material and also meets NSF / ANSI 61 – G standards.

Maximum working pressure: 125 psi (except horizontal pump models and PM45, 100 psi).

304 Stainless-steel connection: On all stand models (except horizontal pump models and PM45, galvanized lead-free connection)

Powder coated exterior: Provides positive protection against corrosion, UV resistance, and certified to ASTM automotive salt test standards.

Pre-charge: All tanks charged to 38 PSI.

NSF® Certified to NSF/ANSI 61-G



22" steel base ProMax Plus



15" steel base ProMax Plus

Built-to-last

Air change valve

- Metal air valve with “O” ring cap seal for added protection
- Projection Welded

Powder coated exterior

- Provides positive protection against corrosion
- An attractive addition to any home
- High UV resistance
- Certified to ASTM Automotive Salt Test Standards

Butyl rubber parabolic diaphragm

- Strong and flexible with smooth operation for long life
- Eliminates rubbing the tank wall or rolling over on itself

Double draw uniweld design

- Allows two piece construction

Internal powder coating

- Powder coating permanently bonded to the shell
- Proven protection against internal corrosion
- Eliminates clinch rings and plastic linersf

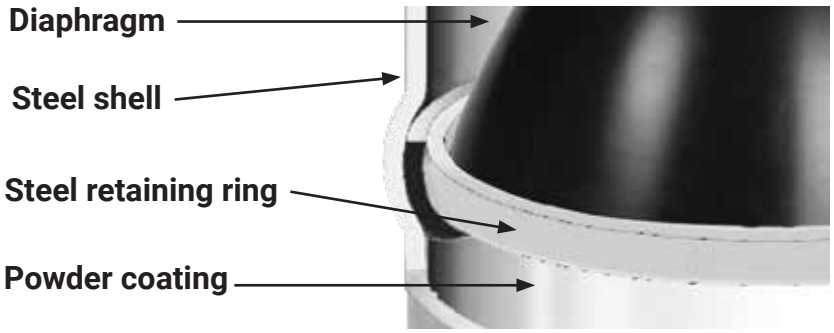
Exclusive no-weld Rust-Guard® steel base

- Eliminates weld in the base area
- Reduces corrosion in the base or lower tank



Positive diaphragm seal

Seals diaphragm directly to shell, ensuring permanent separation of water and air. No liners needed.



AW39 Bracket

Universal pump mounting bracket for use on all stand model tanks.



Specifications

Models	Model no.	Total volume gals. (L)	Drawdown in gallons at system operating pressure range of:			System connection in. (mm)	Dimensions in. (mm)		Weight lbs (kg)	Height from floor to center of connection in. (mm)
			20/40 PSIG	30/50 PSIG	40/60 PSIG		Diameter	Height		
Stand models	PM45	14 (53)	5.2	4.3	3.8	1" NPTF (25)	15.375 (391)	27.125 (689)	25 (11)	2.25 (57)
	PM60	20 (76)	7.4	6.2	5.4	1" NPTF (25)	15.375 (391)	33.75 (857)	30 (14)	2.25 (57)
	PM100	32 (121)	11.5	9.6	8.4	1" NPTF (25)	15.375 (391)	45 (1143)	40 (18)	2.25 (57)
	PM140	52 (197)	19.2	16.1	14	1.25" NPTF (32)	23 (584)	40 (1016)	77 (35)	2.25 (57)
	PM200	65 (246)	24	20	17.5	1.25" NPTF (32)	23 (584)	46.6 (1184)	87 (40)	2.25 (57)
	PM260	86 (326)	31.8	26.7	23.2	1.25" NPTF (32)	23 (584)	59.25 (1507)	100 (45)	2.25 (57)
Horizontal models w/ bracket	PM45H	14 (53)	5.2	4.3	3.8	1" NPTM (25)	15.375 (391)	27.125 (689)	25 (11)	9.69 (246)
	PM60H	20 (76)	7.4	6.2	5.4	1" NPTM (25)	15.375 (391)	30.875 (785)	30 (14)	9.69 (246)

HYDRO-PRO cross reference:		
V45	→	PM45
V60	→	PM60
V100	→	PM100
V140	→	PM140
V200	→	PM200
V260	→	PM260
V45H	→	PM45H
V60H	→	PM60H

T-Series cross reference:		
T45	→	PM45
T60	→	PM60
T100	→	PM100
T140	→	PM140
T200	→	PM200
T260	→	PM260

Goulds Water Technology part number		ProMax part number
PM45	=	PMX-14 (ProMax)
PM60	=	PMXP-20 (ProMax Plus)
PM100	=	PMXP-32 (ProMax Plus)
PM140	=	PMXP-52 (ProMax Plus)
PM200	=	PMXP-65 (ProMax Plus)
PM260	=	PMXP-86 (ProMax Plus)
PM45H	=	PMX-14H (ProMax)
PM60H	=	PMX-20H (ProMax)

*Order using the Goulds Water Technology part number. You will receive the ProMax part number.

Note the following tanks are still available:
V6P
V15P
V25P
V25H
V100S
T15P
T25P

BUILT IN THE USA
ENGINEERED, ASSEMBLED & TESTED

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Let's Solve Water