



TMH SIDE-ENTRY MIXERS



PLENTY TMH SERIES - SIDE ENTRY MIXERS, THE PLENTY PACKAGE



**A durable range of
side entry mixers for
blending, storage, or
homogeneity duties**



Features

Plenty TMH Mixers are compact and durable, providing wide process flexibility with assured results

- High efficiency impellers for optimum mixing and power savings
- Positive shut off device allows mechanical seal and bearing changes under full tank conditions
- Tooth belt for long life and positive engagement between motor and mixer shaft
- All 316 stainless steel wetted parts construction
- Maintenance-free bearings
- Bearing system minimizes seal deflection
- L10 bearing life in excess of 65,000 hours
- Single sleeve mounted mechanical seal
- 4" ANSI mounting flange
- Power range 1.1 - 5.5 kW / 1.5 - 7.5HP
- CE & ATEX 2 G / ATEX 3 G certification available

SPX FLOW, Inc. Brand Plenty Mixers has been supplying fluid agitation equipment for over 60 years and, as an engineering company, has been established for over 200 years providing a wealth of engineering experience. Modern manufacturing techniques produce the highest quality equipment, backed by ISO 9001:2000 accreditation.

Backed by over 60 years operating experience Plenty Mixers has a reference list of successful site installations that is second to none. Plenty Mixers are acknowledged to be the market leader in the field of side entry mixing technology for the oil and petrochemical industries, having supplied literally thousands of units worldwide to numerous major oil companies in over 60 countries around the globe.

The Plenty TMH Mixers are a durable range of side entry mixers with an extensive application portfolio for blending, storage, or homogeneity duties in a wide variety of industries.

Belt Drive:

Belt drive, HTD timing belt and PD helical offset belt option

- Large heavy duty ball bearings
- Suitable for 50 and 60 Hz supply
- Fixed output speed 425 RPM +/- 5%

Tank Shut Off:

A taper to taper metal tank shut-off system ensures that the shaft is positively clamped in the shut-off position such that the contents are prevented from escape while the seal is replaced. The system incorporates a safety check valve.

Impellers:

- A312 is standard
- Plenty Forward Rake Propeller is optional



A312



**Plenty
Forward
Rake**

TYPICAL PRODUCT APPLICATIONS: Vegetable Oil, Processors, Oil Bunkers and Biofuels Storage, Breweries, Alcohol Distilleries and Wineries, Sugar Refineries, Chemicals, Hydrocarbon, Production/Processing, Soft Drink Manufacturers, Water Treatment



Shaft:

A one piece solid shaft accurately machined to specified length and diameter.

Wetted Parts:

The mixers are manufactured as standard with wetted parts in 316 stainless steel. Other materials can be provided for specific application needs. The wetted parts can also be supplied with a polished finish.

Motor:

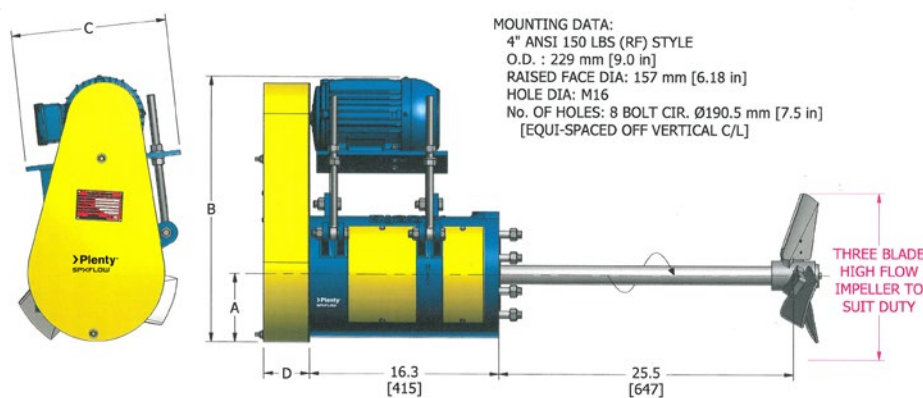
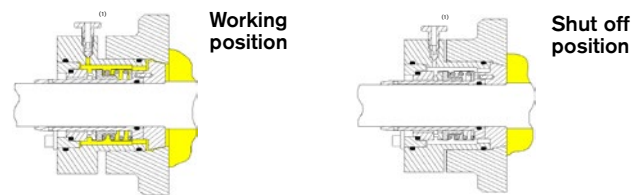
- IEC and NEMA are available

Mounting Options:

- 4" ANSI flange is standard

Mechanical Seal:

Mechanical seals are sleeve mounted for ease of maintenance. The mechanical seal is completely enclosed within a seal housing that also incorporates a back up seal to restrict leakage in the event of ultimate seal failure. An air release valve(1) is fitted to the seal housing for venting the seal chamber to ensure that it is completely filled with product (liquid) prior to initial and post maintenance start-up. The air release valve is used to prove the shut off is 100% operational before any maintenance work is started.



PLENTY TMH SPECIFICATIONS (CERTIFIED DIMENSIONS /WEIGHTS AFTER RECEIPT OF ORDER)					
MOTOR (kW [HP])	A (MM [IN])	B (MM [IN])	C (MM [IN])	D (MM [IN])	UNIT WEIGHT (KG [LBS])
1.1 [1.5]	150 [5.9]	581 [22.9]	340 [13.4]	104 [4.1]	118 [260]
1.5 [2]	150 [5.9]	581 [22.9]	340 [13.4]	104 [4.1]	119 [263]
2.2 [3]	150 [5.9]	631 [24.8]	358 [14.1]	104 [4.1]	137 [301]
4 [5]	150 [5.9]	631 [24.8]	358 [14.1]	104 [4.1]	140 [308]
5.5 [7.5]	230 [9.1]	754 [29.7]	460 [18.1]	125 [5.9]	165 [363]

Plenty TMH product specification

Plenty TMH product specification				AVAILABLE A312 IMPELLERS DIAMETERS				
SHAFT DIA.	MOUNTING		MOTOR KW/HP	MIXER MODEL NUMBER	14 "	16 "	18 "	20 "
38mm	Fixed	Belt	1.1 / 1.5	14A-38-TMH1.5HP	S			
			1.5 / 2	16A-38-TMH2HP	O	S		
			2.2 / 3	16A-38-TMH3HP	O	S		
			4 / 5	18A-38-TMH5HP		O	S	
			5.5 / 7.5	20A-38-TMH7.5HP			O	S

S = Standard, O = Optional



SPX FLOW, Inc. reserves the right to incorporate our latest design and material changes without notice or obligation. Design features, materials of construction and dimensional data, as described in this bulletin, are provided for your information only and should not be relied upon unless confirmed in writing. Please contact your local sales representative for product availability in your region. The green "➤" is a trademark of SPX FLOW, Inc.

For more information, visit www.spxflow.com.