

OTTER FILTER™

INTRODUCTION

The Morrill Industries, Inc. Otter Filter™ is an inline water filter designed for those who depend on well water for their residence, or small acreage irrigation water systems. The Otter Filter™ utilizes a fine mesh Stainless Steel screen to filter out contaminants such as; sand, rust, dirt, and scale prior to entering your water supply system. This protects your water supply from contaminants that can damage your appliances, faucets, tubs, showers, and outside watering systems such as sprinklers, drip emitters, and misters. The Otter Filter™ is designed for easy installation and maintenance.

OPERATION

The Otter Filter™ has a 2" Female NPT Inlet and Outlet for ease of installation. The 2" Inlet port is on the bottom and is designed to sit atop your Water Well after the seal plate; multiple installation configurations are acceptable. The 2" discharge is perpendicular to the inlet for an easy takeoff. Normal operation has water entering the Otter Filter™ at the inlet and flowing vertical into a chamber sealed with the filter screen. Water flows from inside to outside of the screen, capturing debris within the screen. Slots at the internal base of the Screen Seal Plate allow sand or other contaminants to drop into the Debris Basin, where they can be flushed through a 3/4" Ball Valve. The filtered water flows out of the 2" outlet port to provide clean water to your system. As debris begins to accumulate within the screen, the pressure differential between the inlet and outlet will increase. It is recommended to flush or clean the screen when this pressure reaches 5-6 PSI. If pressures begin to build too high within the filter, a Pressure Relief Valve will relieve the pressure at a given set point. The relief valves are preset at 75 PSI, and should be adjusted by your installer according to your system requirements.



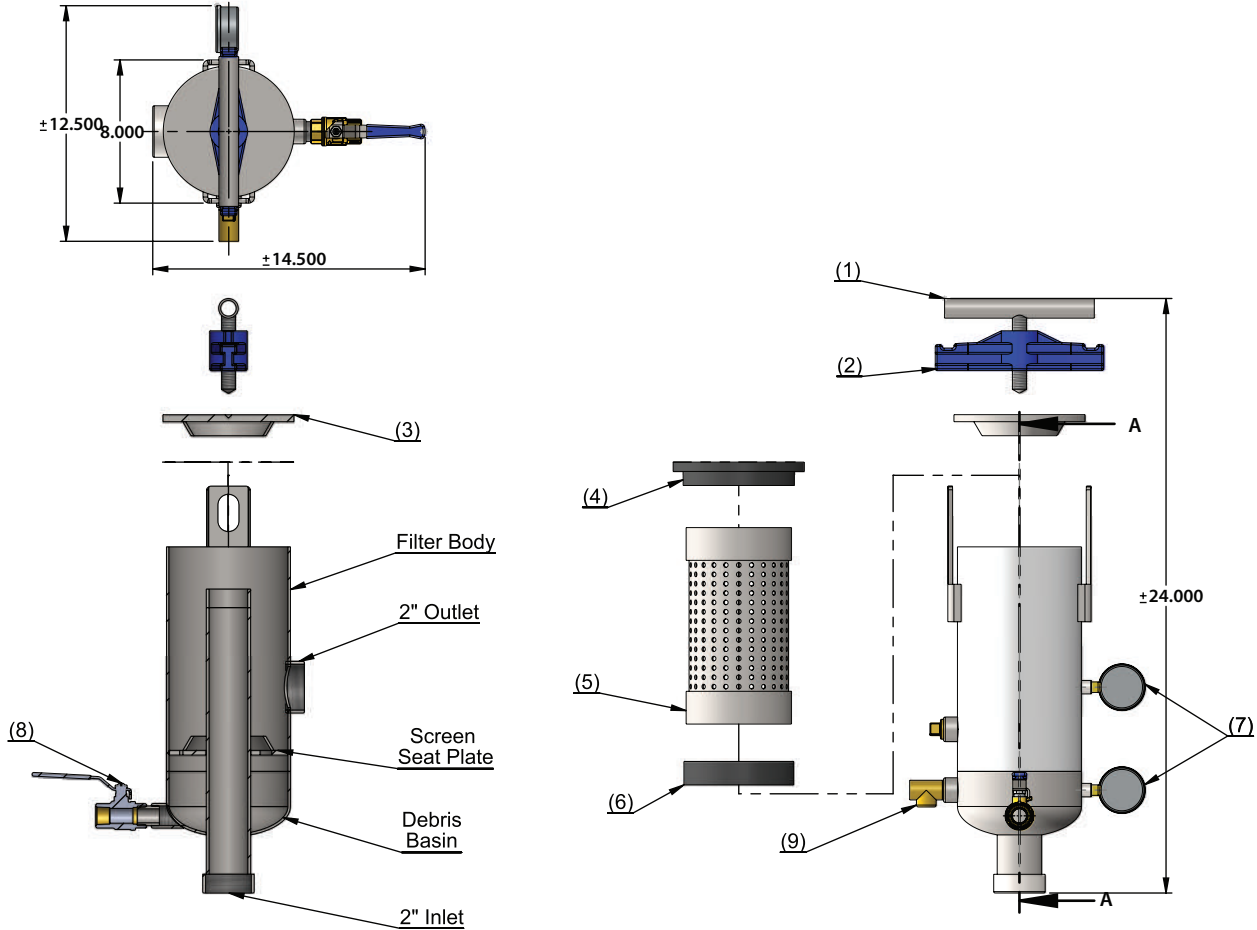
FILTER CONSTRUCTION

- Filter Body is 304/304L Stainless Steel Pipe Sch 10S conforming to ASTM A312 or A778
- Lid Flange is 304/304L Stainless Steel to ASTM A240 Material
- Cross Bar is Ductile Iron
- Threaded Outlets are 304/304L Stainless Steel with threads to ANSI B1.20.1, Material ASME A182
- All Standard Gaskets are EPDM Material.
- Wire Mesh Screen is 316/316L Stainless Steel Material
- Ball Valves - 600 WOG 2 PC Full Port Brass with PTFE Packing
- All Filter Housings and Screens will have individual Serial Numbers
- All Filters to have Direction of Flow indicators

STANDARD FITTINGS

- Two - 1/4" N.P.T 2-1/2" Dia. Liquid Filled Gauges 0-100 P.S.I. (Back Mount)
- One - 3/4" Ball Valve for Flush NSF 61 approved
- One - 3/4" Relief Valve NSF 61 approved

OTTER FILTER™ REPLACEMENT PARTS & FILTER ASSEMBLY



OTTER FILTER ASSEMBLY		
PART NO.	DESCRIPTION	WEIGHT
OF02-060	2" Otter Filter™ 60 Mesh	40 LBS.
OF02-120	2" Otter Filter™ 120 Mesh	40 LBS.

OTTER™ FILTER REPACEMENT PARTS			
PART NO.	DESCRIPTION	WEIGHT	
1	TH-01	Tee Handle	1.20 lbs.
2	CB-01	Cross Bar	3.84 lbs.
3	TP-01	Lid Plate	4.60 lbs.
4	MØ3TOR-12	Lid Gasket	0.52 lbs.
5	OFS60	Filter Screen	3.66 lbs.
	OFS120		
6	MØ6DUG	Screen Gasket	0.36 lbs.
7	PGLA-100	Pressure Gauge	0.46 lbs.
8	BV0075-NL	3/4" Brass Ball Valve	0.70 lbs.
9	PRV-OF	Pressure Relief Valve	0.36 lbs.