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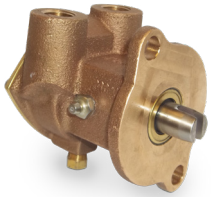
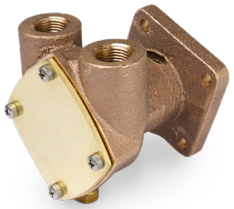
N202M Series

Bronze Rubber Impeler Pump Universal/Kubota Engine Mount

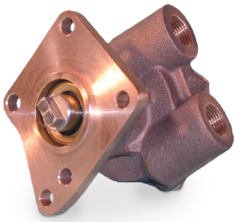


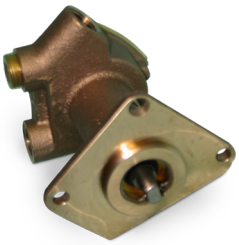
OBN202M/OBN202M-03/
OBN202M-07

OBN202M-11



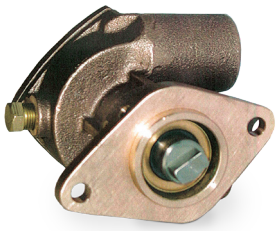
OBN202M-15/
OBN202M-16



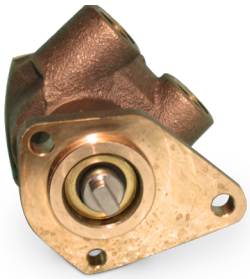


OBN202M-17

OBN202M-17P



OBN202M-23



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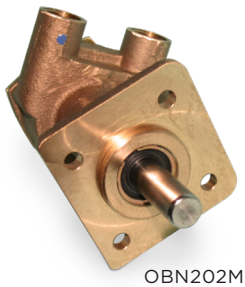
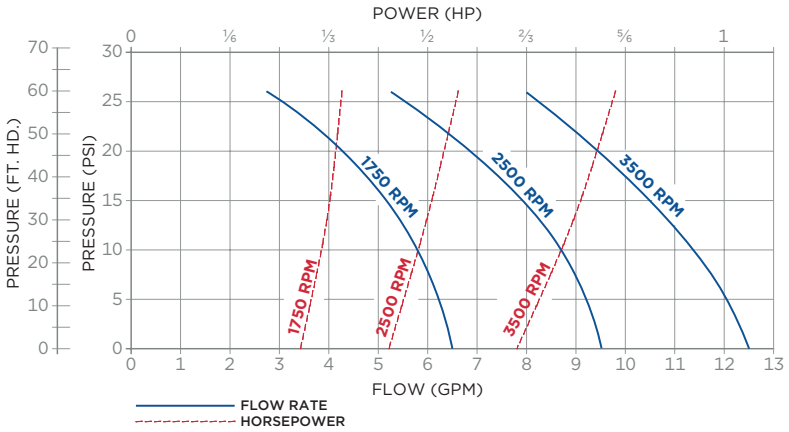


OBN202M-21

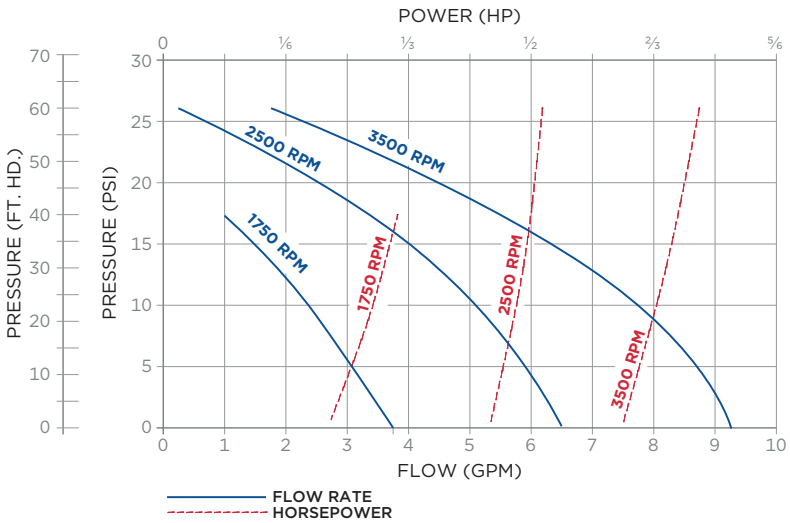
Performance

CAPACITY, WATER 70°F

N202M FULL CAM PERFORMANCE
NEOPRENE IMPELLER



N202M-03 HALF CAM PERFORMANCE
NEOPRENE IMPELLER



Features

- Rugged simplicity
- Corrosion Resistant
- Convenient drain plug
- Flange mounting
- Slotted shaft drive or male tang drive
- 2 separate seals: main pump and flange mounting
- "Vertical" direction in & out ports
- High chrome nickel stainless steel shaft
- Impeller easily replaced
- Machined in cam
- See N202M-837 for additional details

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Rotation

Direction of shaft rotation determines inlet and outlet ports (see line dimension drawing). Prior to installation, rotate the pump manually in direction of rotation to set flexible blades in direction desired.

Do Not Run Dry

Rubber impellers generate high rubbing friction unless lubricated by liquid pumped. Lack of liquid will cause impeller to degrade rapidly.

Suction Lift

On initial start-up pump must be primed to prevent dry-running of the impeller. Suction lift of 15 feet is possible when impeller is wet and pump fully primed. Suction lines must be air tight in order for pump to self prime.

Liquids and Temperature

iquids compatible with neoprene can be pumped including fresh and salt water solutions and mild chemicals. Do not pump gasoline, severe solvents or acids. When possible flush pump with fresh water after each usage. NBR impellers can handle oil contaminated water and kerosene, although it will reduce impeller service life. Extremes of cold and heat will affect impeller life. Limits of 40 to 140°F should be observed. Do not allow liquid in pump to freeze. Drain pump by removing drain plug provided, located at bottom of pump body. Use methyl alcohol based anti-freeze compounds such as Zerex, Shell Sone, Pyro Permanent, Permagard, Dowgard.

Design Specs

MODEL	PORTS		CAM	FLANGE	PILOT	SHAFT	DESIGNED FOR	REFERENCE
	SIZE	ORIENTATION						
OBN202M	1/2" FNPT	Vertical	FULL	2 BOLT	NONE	SLOT		
OBN202M-03	3/8" FNPT	Vertical	HALF	2 BOLT	NONE	SLOT	Atomic 4 Gas and Diesel Marine Engines	295625/ 15098
OBN202M-07	3/8" FNPT	Vertical	FULL	2 BOLT	NONE	SLOT	Atomic 4 Gas and Diesel Marine Engines	299805
OBN202M-11	1" HOSE	Vertical	FULL	4 BOLT	MALE	TANG	Onan -Kubota	132-0277
OBN202M-15	3/8" FNPT	Vertical	FULL	5 BOLT	MALE	TANG	Universal Series - Super Mini Kubota Diesel	301357
OBN202M-16	1/2" FNPT	Vertical	FULL	5 BOLT	MALE	TANG	Universal Series - Super Mini Kubota Diesel	
OBN202M-17	3/4" x 5/8" FNPT	135°	FULL	3 BOLT	MALE	TANG	Kubota 05 Series - PTO	
OBN202M-17P	3/4" x 5/8" FNPT	135°	FULL	2 BOLT	MALE	TANG	Kubota V1505 (behind injection pump)	
OBN202M-21	1/2" FNPT	Vertical	FULL	4 BOLT	MALE	ROUND	PCI SGNSC Caterpillar Diesel - Pulley	582105
OBN202M-23	1/2" FNPT	Vertical	FULL	2 BOLT	MALE	TANG	Kubota 05 Series - Tach Mount	
OBN202M-24	1/2" FNPT	Vertical	FULL	3 BOLT	MALE	TANG	Kubota D902-E3B Side PTO	

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Kubota-Onan Engine Data

PUMP	MODEL	HP	CYLINDERS	DISPLACEMENT	
				CU INCH	CC
OBN202M-11	8.0 MDKD-A				
	8.0 MDKD-L				
	4.0 MDKC-A				
	4.0 MDKC-L				
	6.5 MDKD-P				
	6.5 MDKD-Z				
	3.5 MDKC-P				
	3.5 MDKC-Z				
OBN202M-16	Z482E	13.5	2	29.2	479
	D722E	20.5	3	44	719
	V1903E	42	4	113	1857
	V2203E	49.5	4	134	2197
OBN202M-17 OBN020M-23	D0905E	24	3	55	898
	D1005E	24	3	61	1001
	D1105E	25	3	68.5	1123
	V1305E	30	4	82	1335
	V1505E	34	4	91	1496
OBN202M-17P	V1505	34	4	91	1496
OBN202M-24	D902-E3B	21.6	3	55	898

Westerbeke/Universal Engine Data

PUMP	MODEL	HP	CYLINDERS	BLOCK
OBN202M-03	Atomic 4	30	4	
	Kermath	20	4	
	Westerbeke Four-60 Marine Diesel	15	4	
OBN202M-07	M-15	11	2	Z-500
	Atomic 5411	11	2	
OBN202M-15	M-12	10	2	Z-400
	M-18	14	2	Z-600
	M-25XP	23	3	D-950
	M-30	24	3	D-1101
	M-30	24	3	D-1102
	M-50	44	2	V-1902

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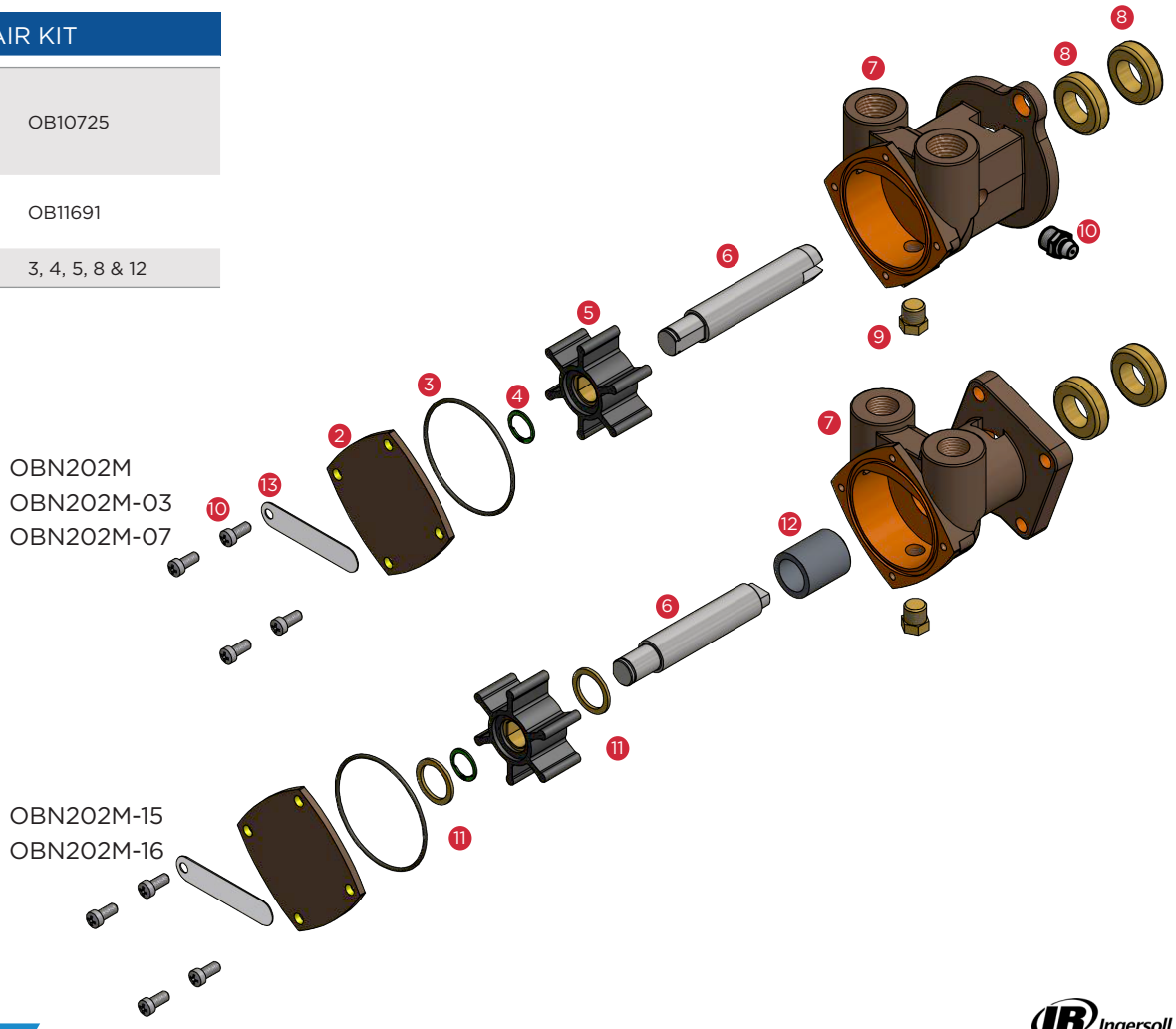
Parts list: N202M, N202M-03, N202M-07, N202M-15, N202M-16

ITEM NO.	DESCRIPTION	MODEL NO.					QTY.
		N202M	N202M-03	N202M-07	N202M-15	N202M-16	
1	Screw	OB5385	OB5385	OB5385	OB5385	OB5385	4
2	Cover	OB6597B	OB6597B	OB6597B	OB6597B	OB6597B	1
3	O-Ring	OB9797-034	OB9797-034	OB9797-034	OB9797-034	OB9797-034	1
4	Snap Ring	OB5373	OB5373	OB5373	OB5373	OB5373	1
5	Impeller	OB6593	OB6593	OB6593	OB6593	OB6593	1
6	Shaft	OB6598	OB6598	OB6598	OB8767	OB8767	1
7	Body	OB6595-1	OB6892-2	OB6892-1	OB8920-1	OB9879-1	1
8	Lip Seal	OB5463	OB5463	OB5463	OB5463	OB5463	2
9	Plug	OB6600	OB6600	OB6600	OB6600	OB6600	1
10	Grease Fitting	OB5390	OB5390	OB5390	N/A	N/A	1
11	Washer	N/A	N/A	N/A	OB9647	OB9647	2
12	Bearing	N/A	N/A	N/A	OB5091	OB5091	1
13	Tag	OB7736	OB7736	OB7736	OB7736	OB7736	1

REPAIR KIT	
OBN202M OBN202M-03 OBN202M-07	OB10725
OBN202M-15 OBN202M-16	OB11691
Items Included	3, 4, 5, 8 & 12



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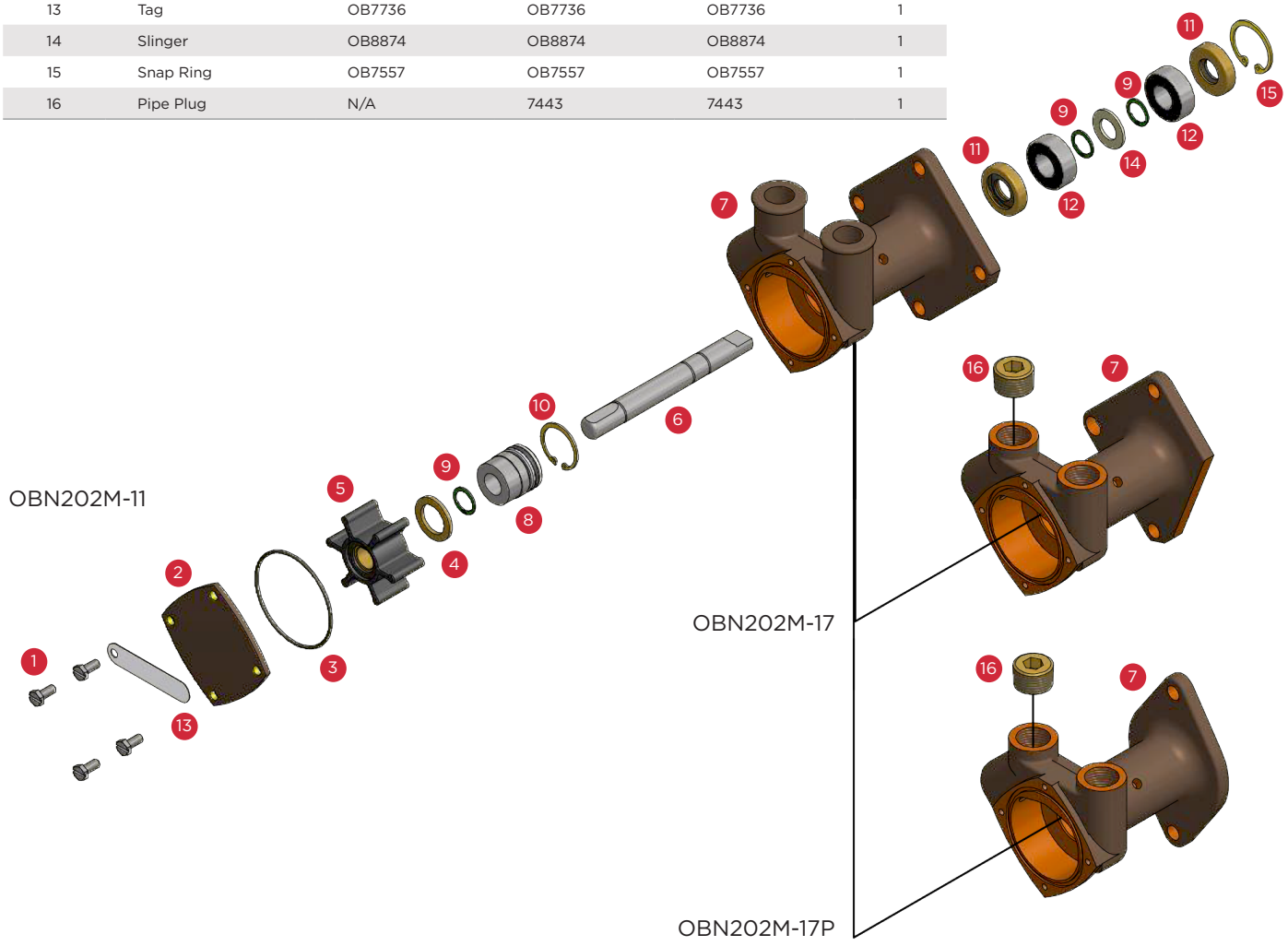
Parts list: N202M-11, N202M-17, N202M-17P

ITEM NO.	DESCRIPTION	MODEL NO.			QTY.
		N202M-11	N202M-17	N202M-17P	
1	Screw	OB8907-1	OB5385	OB5385	4
2	Cover	OB6597B	OB6597B	OB6597B	1
3	O-Ring	OB9797-034	OB9797-034	OB9797-034	1
4	Washer	OB8927	OB8927	OB8927	1
5	Impeller	OB6593	OB6593	OB6593	1
6	Shaft	OB8870	OB8870	OB8870	1
7	Body	OB8869-02	OB9887-2	OB9887-3	1
8	Seal Assy	OB32592	OB32592	OB32592	1
9	Snap Ring	OB5373	OB5373	OB5373	3
10	Snap Ring	OB7639	OB7639	OB7639	1
11	Lip Seal	OB8868	OB8868	OB8868	2
12	Ball Bearing	OB5847	OB5847	OB5847	1
13	Tag	OB7736	OB7736	OB7736	1
14	Slinger	OB8874	OB8874	OB8874	1
15	Snap Ring	OB7557	OB7557	OB7557	1
16	Pipe Plug	N/A	7443	7443	1

REPAIR KIT	
OBN202M-11	OB11679
OBN202M-17 OBN202M-17P	N/A
Items Included	1, 3, 5, 6, 8, 9, 10, 11, 12, 14 & 15



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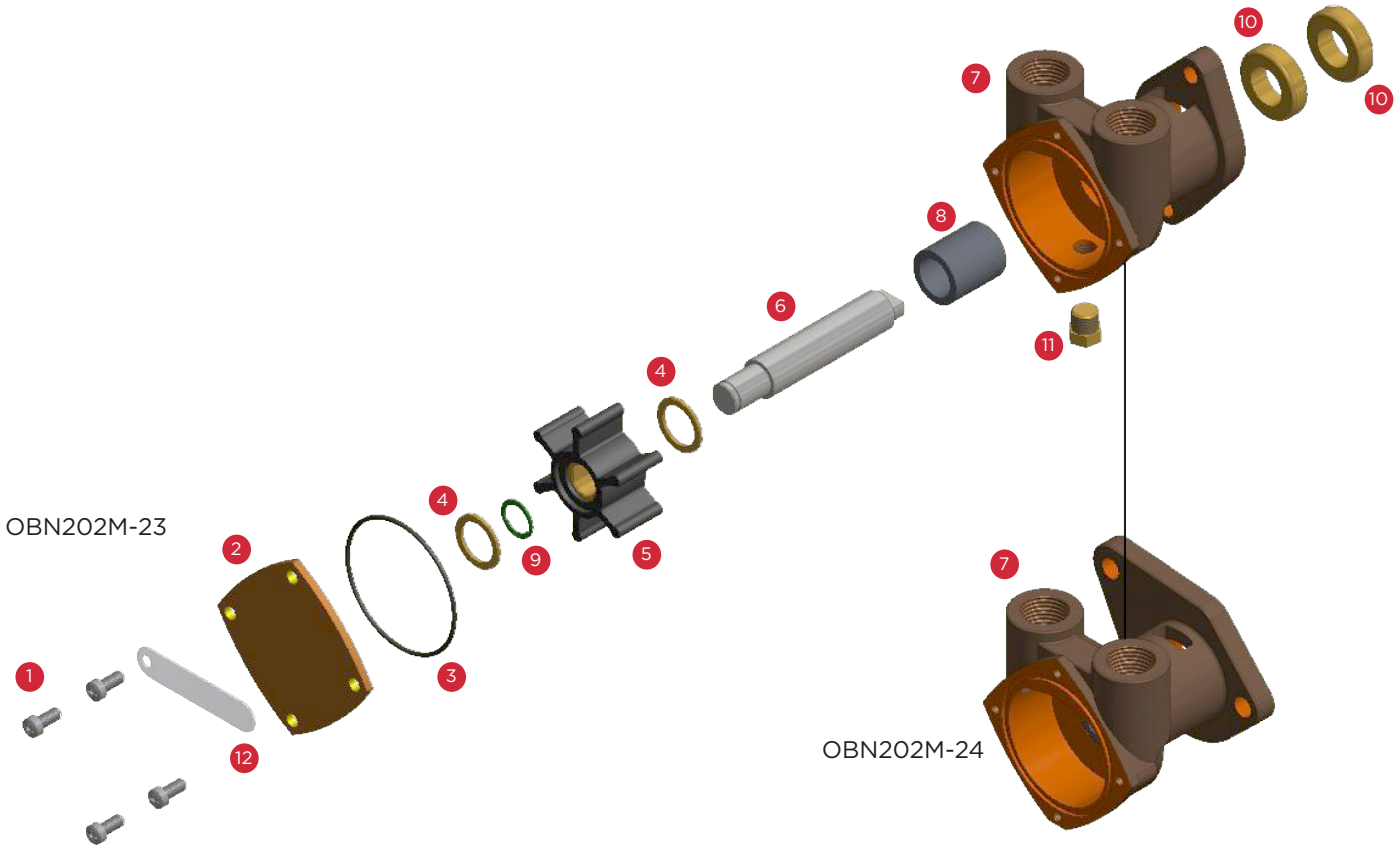
Parts list: N202M-23, N202M-24

ITEM NO.	DESCRIPTION	MODEL NO.		QTY.
		N202M-23	N202M-24	
1	Screw	OB5385	OB5385	4
2	Cover	OB6597B	OB6597B	1
3	O-Ring	OB9797-034	OB9797-034	1
4	Washer	OB9647	OB9647	2
5	Impeller	OB6593	OB6593	1
6	Shaft	OB8767	OB8767	1
7	Body	OB2196	OB3458	1
8	Bearing	OB5091	OB5091	1
9	Snap Ring	OB5373	OB5373	1
10	Lip Seal	OB5463	OB5463	2
11	Pipe Plug	OB6600	N/A	2
12	Tag	OB7736	OB7736	1

REPAIR KIT	
OBN202M-23 OBN202M-24	OB11691
Items Included	3, 5, 8, 9, & 10



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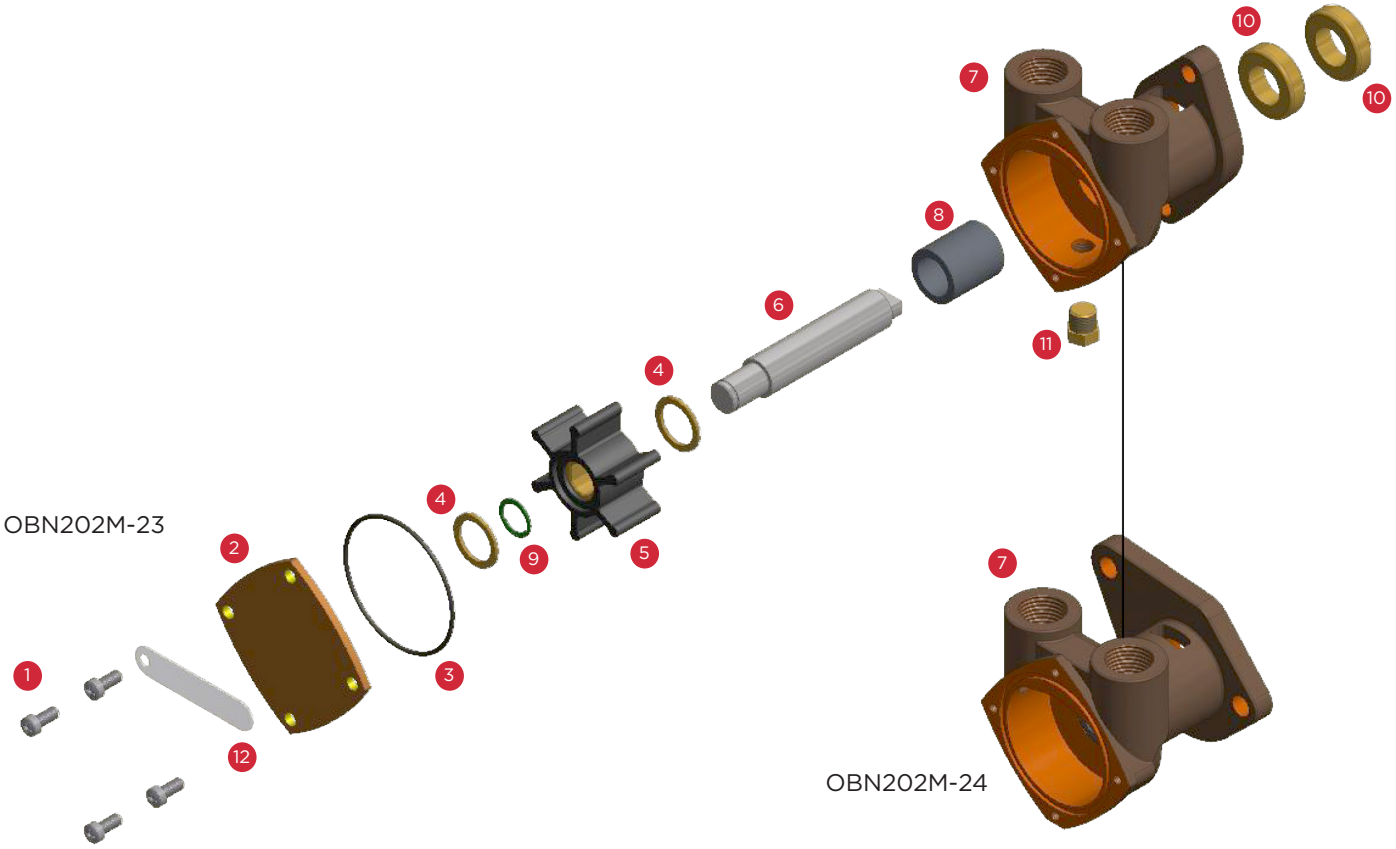
Parts list: N202M-21

ITEM NO.	DESCRIPTION	MODEL NO. N202M-23	QTY.
1	Screw	OB5385	4
2	Cover	OB6597B	1
3	O-Ring	OB9797-034	1
4	Washer	OB8927	1
5	Impeller	OB6593	1
6	Shaft & Bearing	OB2796	1
7	Body	OB9275-01	1
8	Seal Asembly	OB32592	1
9	Snap Ring	OB5373	1
10	Snap Ring	OB5741	1

REPAIR KIT	
OBN202M-21	OB12198
Items Included	1, 3, 5, 6, 8, 9, & 10



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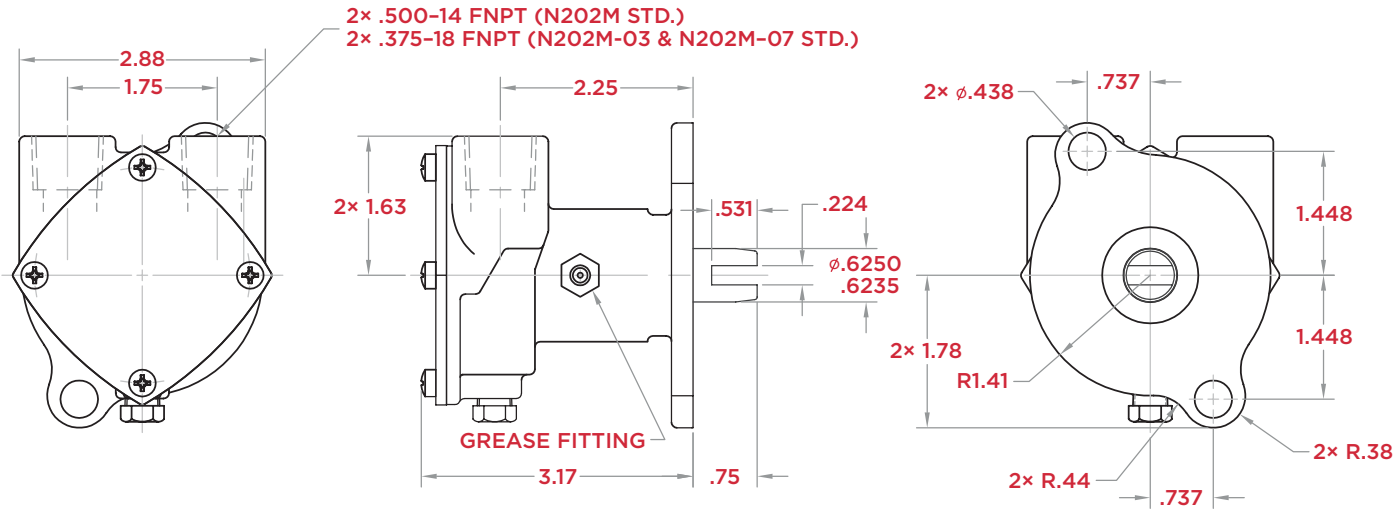
Dimensions

OBN202M, OBN202M-03, OBN202M-07



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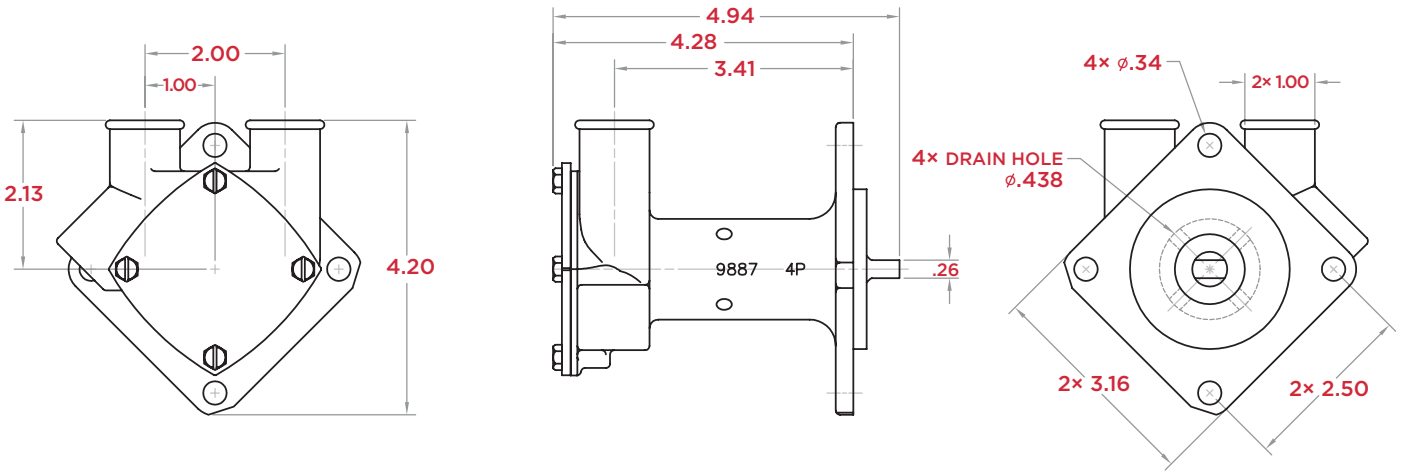

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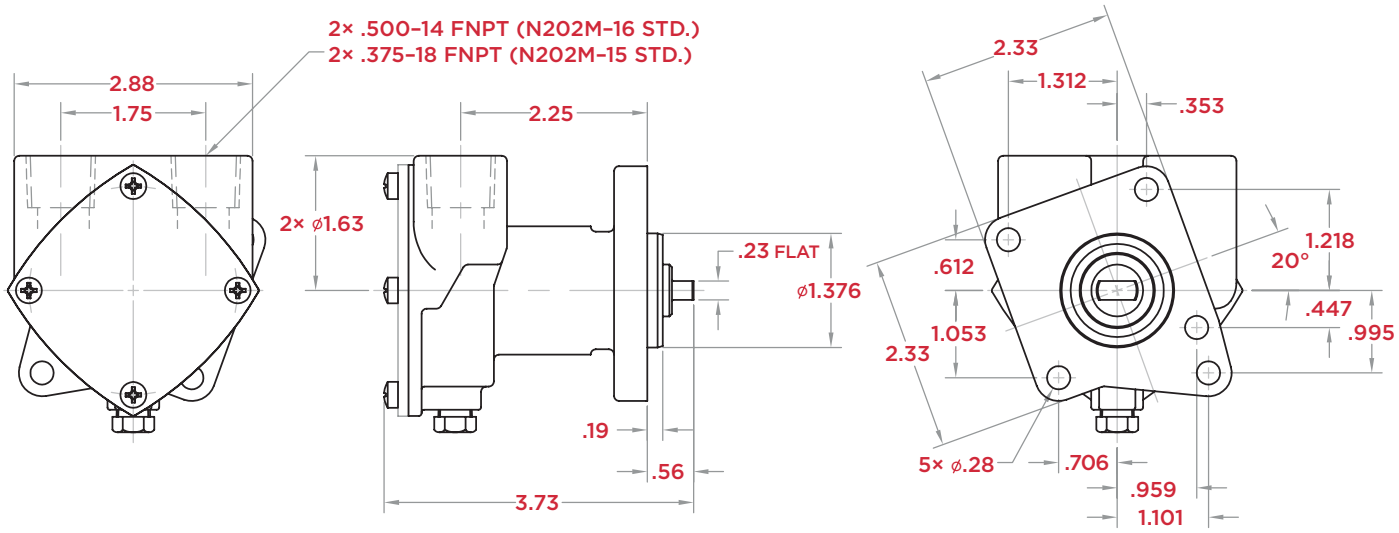
Dimensions

OBN202M-15, OBN202M-16



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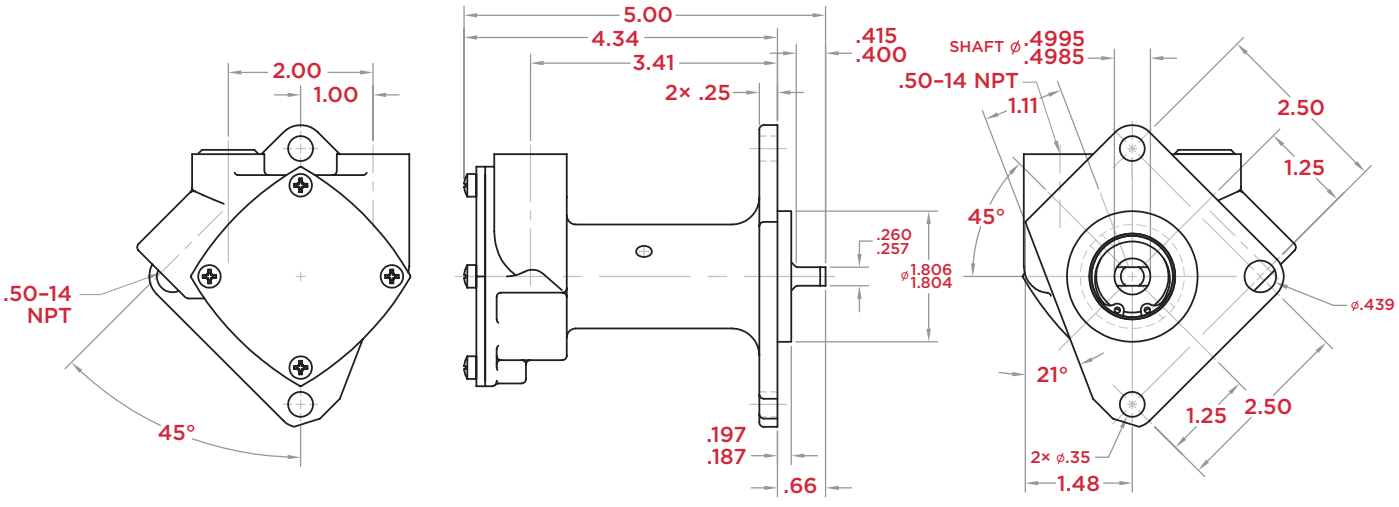

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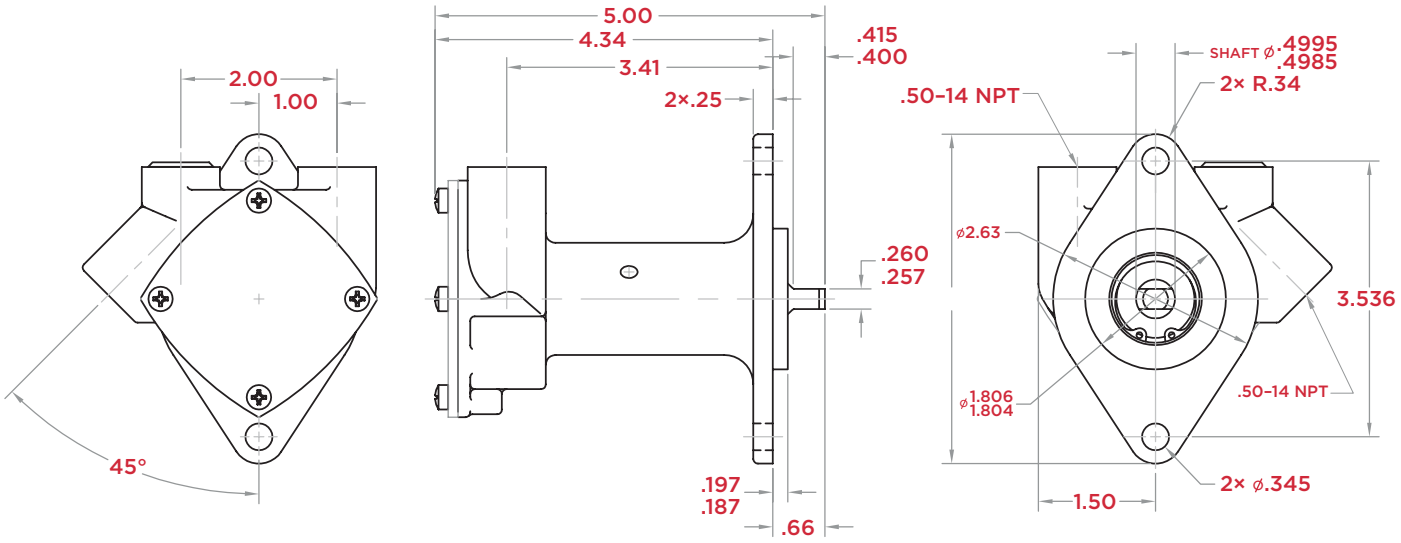
OBN202M-17P



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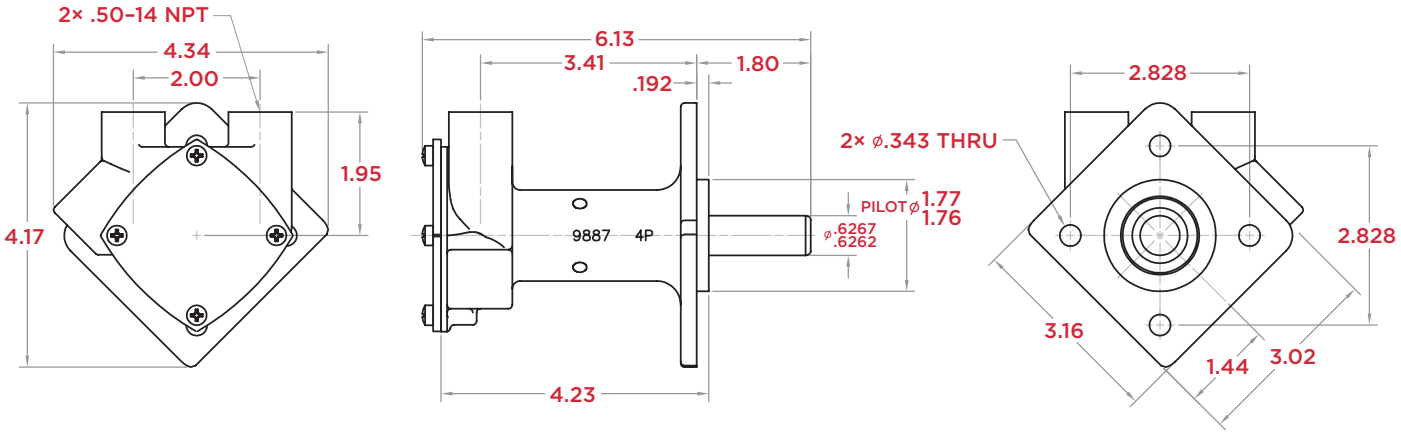

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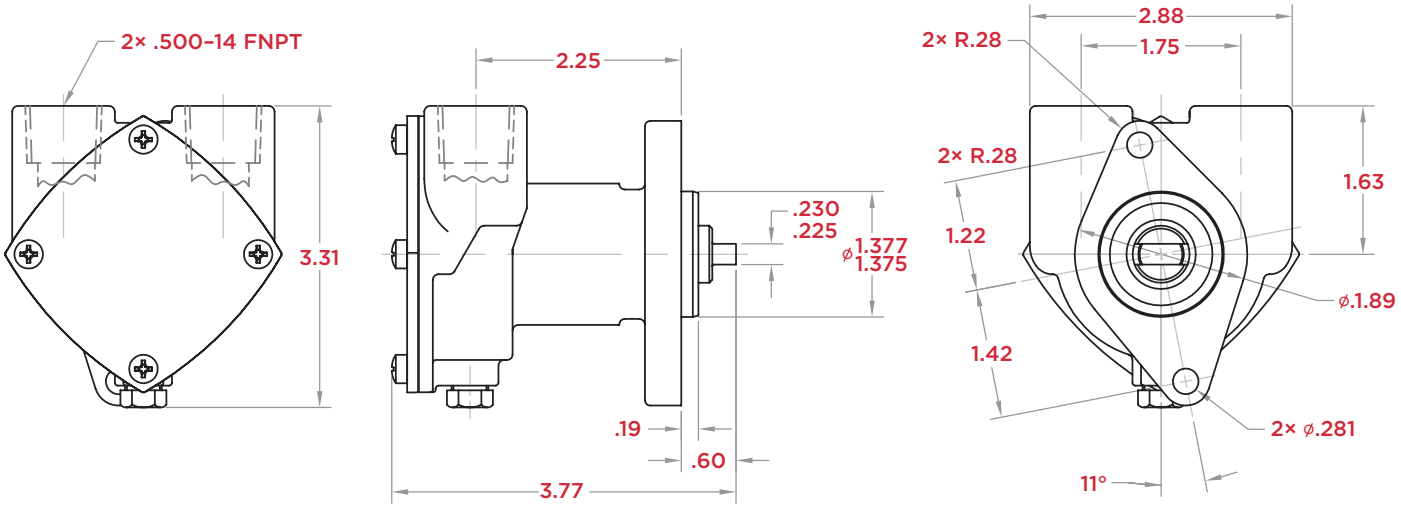
OBN202M-23



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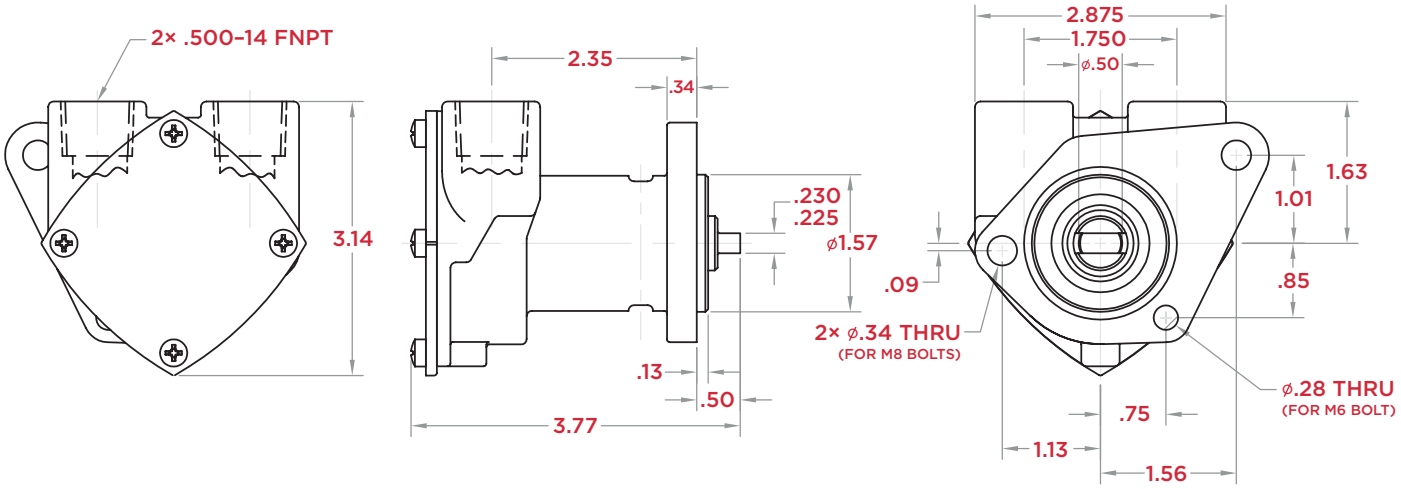

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