GOULDS PUMPS

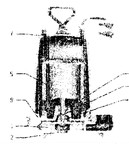
Submersible Effluent Pump

MODEL 3885

WE Series

COMPONENTS

Item No.	Description
1	Impeller
2	Casing
3	Mechanical Seal
4	Motor Shaft
5	Motor
6	Ball Bearings
7	Power Cable
8	Casing O-Ring



MODELS

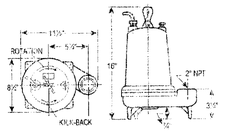
Order No.	HP	Volts	Phase	Max. Amp.	RPM	Size	Wt. (lbs.)
WE05H1E	½	115	1	10.7	1750	1½"	66
WE05H1L		208		6.8			
WE05H1L		230		4.9			
WE05H1M		115		10.7			
WE05H1M		208		6.8			
WE05H1M		230		4.9			
WE05H1H	¾	115		14.5			66
WE05H1H		208		8.1			
WE05H1H		230		7.3			
WE05H2H		200	3	4.9			
WE05H2H		230		3.3			
WE05H4H		460		1.7			
WE05H7H		575		1.4			
WE05H1H	1	115	1	14.5			66
WE05H1H		208		8.1			
WE05H2H		230		7.3			
WE05M1H		200		4.9			
WE05M2H		230	3	3.6			
WE05M4H		460		1.8			
WE05M7H		575		1.5			
WE07H1H	1½	208	1	11.0	1750	1½"	70
WE07H2H		230		10.0			
WE07H3H		200	3	6.2			
WE07H2H		230		5.4			
WE07H4H		460		2.7			
WE07H7H		575		2.2			
WE10H1H	2	208	1	14.0	3500	2"	70
WE10H2H		230		12.5			
WE10H3H		200	3	8.1			
WE10H2H		230		7.0			
WE10H4H		460		3.5			
WE10H7H		575		2.8			
WE15H1H	3	208	1	17.5			80
WE15H2H		230		15.7			
WE15H3H		200	3	10.6			
WE15H2H		230		9.2			
WE15H4H		460		4.6			
WE15H7H		575		3.7			
WE15H9H	3	208	1	17.5			80
WE15H1MH		230		15.7			
WE15M3H		200	3	10.6			
WE15M2H		230		9.2			
WE15M4H		460		4.6			
WE15M7H		575		3.7			
WE20H2H	2	230	1	18.0			80
WE20H3H		200	3	12.0			
WE20H2H		230		10.6			
WE20H4H		460		5.8			
WE20H7H		575		4.7			

PERFORMANCE RATINGS (gallons per minute)

Order No.	WE05	WE05M	WE05H	WE07H	WE10H	WE15H	WE15MH	WE15MH	WE20H
HP	½	½	¾	1½	2	3	3	3	2
RPM	1750	1750	3600	3600	3500	3500	3500	3500	3500
5	86	–	–	–	–	–	–	–	–
10	75	83	78	–	–	–	66	–	–
15	62	80	70	94	–	–	55	–	–
20	27	35	60	83	98	123	45	90	136
25	–	–	46	76	94	117	35	87	133
30	–	–	35	67	88	110	20	83	130
35	–	–	20	57	82	103	10	80	126
40	–	–	–	45	74	95	0	77	121
45	–	–	–	25	64	86	25	74	115
50	–	–	–	–	53	77	–	70	110
55	–	–	–	–	40	67	–	56	103
60	–	–	–	–	30	56	–	53	96
65	–	–	–	–	20	45	–	58	88
70	–	–	–	–	–	35	–	55	81
75	–	–	–	–	–	25	–	51	74
80	–	–	–	–	–	–	–	47	66
90	–	–	–	–	–	–	–	37	49
100	–	–	–	–	–	–	–	28	30

DIMENSIONS

(All dimensions are in inches. Do not use for construction purposes.)



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SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Goulds Pumps

ITT Industries

GOULDS PUMPS

Submersible Effluent Pump

MODEL 3885

WE Series

PROSURANCE AVAILABLE FOR RESIDENTIAL APPLICATIONS.



APPLICATIONS

Specifically designed for the following uses:
- Homes
- Farms
- Trailer courts
- Motels
- Schools
- Hospitals
- Industry
- Effluent systems

SPECIFICATIONS

Pump
- Solids handling capabilities: ¾" maximum.
- Discharge size: 2" NPT.
- Capacities: up to 140 GPM.
- Total heads: up to 128 feet TDH.
- Temperature: (84°F (40°C) continuous 140°F (60°C) intermittent.
- See order numbers on reverse side for specific HP, voltage, phase and RPM's available.

FEATURES

■ Impeller: Cast iron, semi-open, non-clog with pump-out vanes for mechanical seal protection. Balanced for smooth operation. Silicon bronze impeller available as an option.

■ Casing: Cast iron volute type for maximum efficiency. 2" NPT discharge.

■ Mechanical Seal: SILICON CARBIDE VS. SILICON CARBIDE sealing faces. Stainless steel metal parts, BUNA-N elastomers.

■ Shaft: Corrosion-resistant, stainless steel. Threaded design. Locknut on all models to guard against component damage on accidental reverse rotation.

■ Fasteners: 300 series stainless steel.

■ Capable of running dry without damage to components.

■ Designed for continuous operation when fully submerged.

MOTORS

■ Fully submerged in high-grade turbine oil for lubrication and efficient heat transfer.

■ Class B insulation on ½-1½ HP models.

■ Class F insulation on 2 HP models.

Single phase (60 Hz):
- Capacitor start motors for maximum starting torque.
- Built-in overload with automatic reset.
- S/TOW or STOW severe duty oil and water resistant power cords
- ½ and ¾ HP models have NEMA three prong grounding plugs
- 1½ HP and larger units have bare lead cord ends.

Three phase (60 Hz):
- Class 10 overload protection must be provided in separately ordered starter unit.
- STOW power cords all have bare lead cord ends.

■ Designed for Continuous Operation: Pump ratings are within the motor manufacturer's recommended working limits; can be operated continuously without damage when fully submerged.

■ Bearings: Upper and lower heavy duty ball bearing construction.

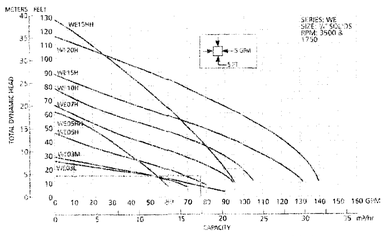
■ Power Cable: Severe duty rated, oil and water resistant. Epoxy seal on motor end provides secondary moisture barrier in case of outer jacket damage and to prevent oil wicking. Standard cord is 20'. Optional lengths are available.

■ O-ring: Assures positive sealing against contaminants and oil leakage.

AGENCY LISTINGS:

Tested to UL 778 and CSA 22.2 101 Standards By Canadian Standards Association File # LR38549

Goulds Pumps is ISO 9001 Registered.

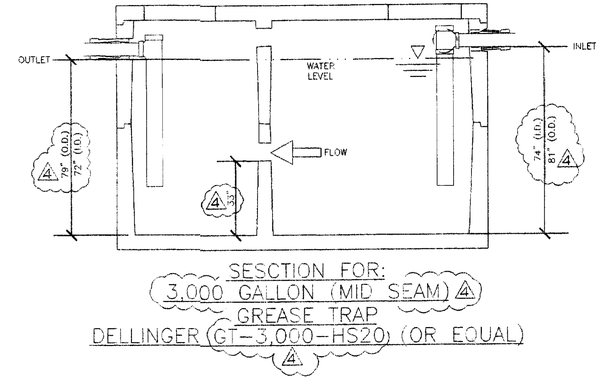


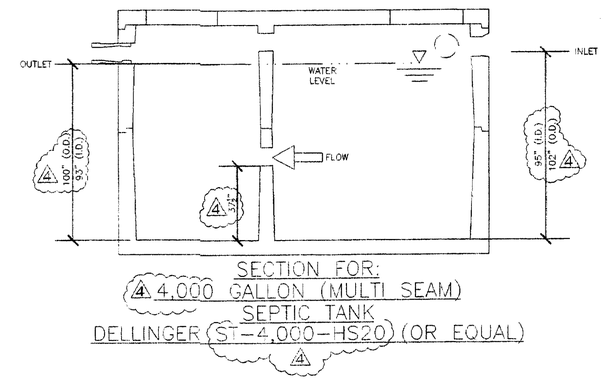
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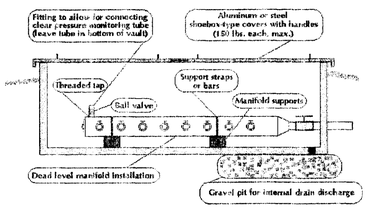


TAP CHART

Bench Mark 5.16 is = 100.00 set at manhole

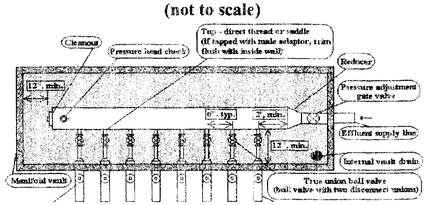
Pump tank elev. line	color	rod read	105.16 Elevation	Pump elev. length	100.16 hole size	flow/tap	Manifold elev. gal/day	trench area	101.00 LINEL/TAR
1		5.16	100.00	110	1/2in SCH80	5.48	80.93	330	0.245
2		5.47	99.69	200	3/4in SCH80	10.1	149.15	600	0.249
3		5.04	99.12	200	3/4in SCH80	10.1	149.15	600	0.249
4		6.42	98.74	200	3/4in SCH80	10.1	149.15	650	0.249
5		6.70	98.46	200	3/4in SCH80	10.1	149.15	650	0.249
6		6.68	98.37	200	3/4in SCH80	10.1	149.15	600	0.249
7		7.52	97.48	200	3/4in SCH80	10.1	149.15	600	0.249
8		8.14	96.86	200	3/4in SCH80	10.1	149.15	650	0.249

	total	feet =					
% of Dose Vol.	~~1000~~	67%	1510	gal/in =	76.18	LTAR=	0.25
Dose Volume	~~1000~~	657.51	Des. Flow		1125	(ltar W INOV:	0.33
Dose Pump Time	~~1000~~	8.63	Pump Run=		14.77	(ltar + 5%)	0.55
Drawdown in Inches	~~1000~~	16.66"	Tank Gal/in		~~1000~~ 39.47"		
			Elevation Head		0.84		



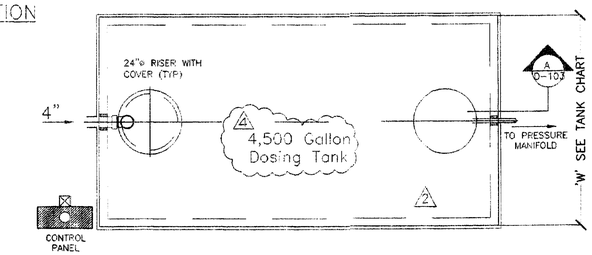
PROFILE VIEW OF PRESSURE MANIFOLD FOR SLOPING SITE INFORAMTION
(NOT TO SCALE)

Profile View of Pressure Manifold for Sloping Site Installation (not to scale)

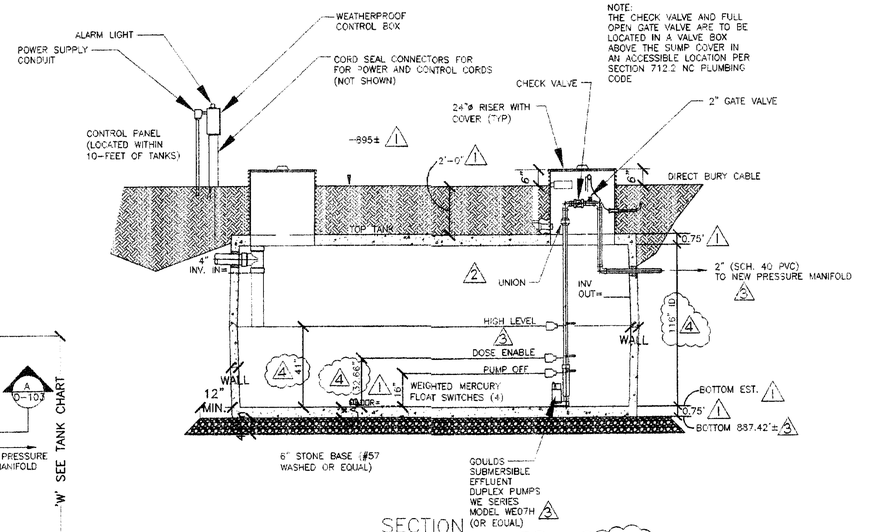


8 LINES REQUIRED

PLAN VIEW OF PRESSURE MANIFOLD FOR SLOPING SITE INFORAMTION
(NOT TO SCALE)



PLAN
DOSING TANK (4,500 GALLONS)
DELLINGER PRECAST - PUMP TANK (HS20-44)
DETAIL # PT-4,500-HS20 (OR EQUAL)



SECTION
FLOW DOSING TANK (4,500 GALLONS)
DELLINGER PRECAST - PUMP TANK (4,500-MS) - DETAIL # PT-4,500-HS20

THE DOSING TANK SHALL BE STATE APPROVED, WATERTIGHT, STRUCTURALLY SOUND AND A MINIMUM OF 4,000 GALLONS IN CAPACITY (DELLINGER PT-4,500-HS20 4,500 GALLON PUMP TANK OR EQUAL)

PROPOSED ACTIVITY BUILDING AND FELLOWSHIP HALL FOR:

Triplett United Methodist Church

838 MAZEPPA ROAD

BARRINGER TOWNSHIP, IREDELL COUNTY, NORTH CAROLINA 28115

NORTH CAROLINA PROFESSIONAL SEAL 5044 ENGINEER CHRISTOPHER L. HOPE, JR.

7-10-15

Rev:	4 7/9/15 3 6/1/15 2 10/23/14 1 10/17/14
Scale	AS NOTED
Drawn By	NAE
Checked By	CLH
Date	9/9/2014
Job No	12714

U-2

OF 3

CHRIS HOPE/PROFESSIONAL ENGINEER/2617 ROLLING HILLS DRIVE/MONROE, NC 28110/(704) 882-1500