

FILL STATION METERS



400051 Series

- New 1" size with 3/4" FNPT flanges
- New aluminum design
- New type 4D MD is 40% lighter than previous ductile iron design
- Available with ATC Temperature Control



REGISTERS

- High Reliability
- Easy to Read



Model 631



Model 833



Model E4000

NEPTUNE DISPENSER METER WITH ELECTRONIC REGISTERS

RMI Part No.	Inlet Outlet	Register	ATC
RL100-208AMMBS	3/4"	E1000	NO
RL100-10M0MMFS0		MIDCOM LT	NO
RL100-10M0MMES0		MIDCOM LT	YES

BULK TRUCK / PLANT METERS 1 1/2" AND 2"



400069-101

Neptune 1-1/2" and 2" liquid meter for bulk trucks and plants. Standard meter comes with ticket print register and ATC - temperature compensating unit.

1-1/2" TYPE 4D

RMI Part No.	Size	Capacity	ATC	Register	Weight
90041-101	1 1/2"	12-60 gpm	yes	print	133 lbs.

2" TYPE 4D

RMI Part No.	Size	Capacity	ATC	Register	Weight
400069-101	2"	20-100 gpm	yes	print	137 lbs.

ELECTRONIC REGISTERS WITH METERS



E4000-SISRSAS1M

- Electronic Register
- Printer
- Solenoid Valve
- Electronic Temperature Compensator Adapter
- Print Priced Invoices
- Can be used with handheld devices

NEPTUNE METER WITH ELECTRONIC REGISTER

RMI Part No.	Model	Size	Meter Register Type
E4000-SISRSAS1M	E4000	1 1/2"	Electronic
E4000-SISRSASAM	E4000	2"	Electronic



NEPTUNE/SCHLUMBERGER MASS FLOW METERS (PLANT OR TRUCK)



Bulk Plant Application

Provides continuous and accurate direct measurement of mass, density, temperature, volume and percent solids over the flow range of 15-10,000 lbs/min (3.5-2,365 GPM). Measures mass flow of liquids, therefore, density, pressure, temperature, viscosity, and flow profile variations have no effect on the accuracy of the meter's measurement. When the mass flow meter is combined with a vapor eliminator, flow control valve and electronic register, it has weights and measure approval for custody transfer of refined fuels such as LPG, NH₃, Fuel Oils, and others.



Truck Application

ADVANTAGES

- No weigh scales, and installation costs
- Faster vehicle on-loading and off loading
- No volumetric temperature compensation needed
- Precise delivery of costly products under varying conditions
- Multi-compartment loading with high accuracy (0.15% of rate)
- Reduced maintenance, no moving parts (in flow meter)



FACTORY AUTHORIZED PUMP AND WARRANTY METER REPAIR SERVICE BLACKMER/NEPTUNE/CORKEN/LIQUID CONTROLS REGISTER REPAIR SERVICE

REPAIR: Fast and expert repair of your old register with an average turn around of 4 days. Temperature compensators repaired and updated. Calibration after repair must be handled by the customer.

NEPTUNE & VEEDERROOT REGISTER EXCHANGE PROGRAM: Receive a rebuilt register - Return the old register. Pay a standard exchange fee only. Upon placing an order for a rebuilt register, RMI will invoice for parts below:

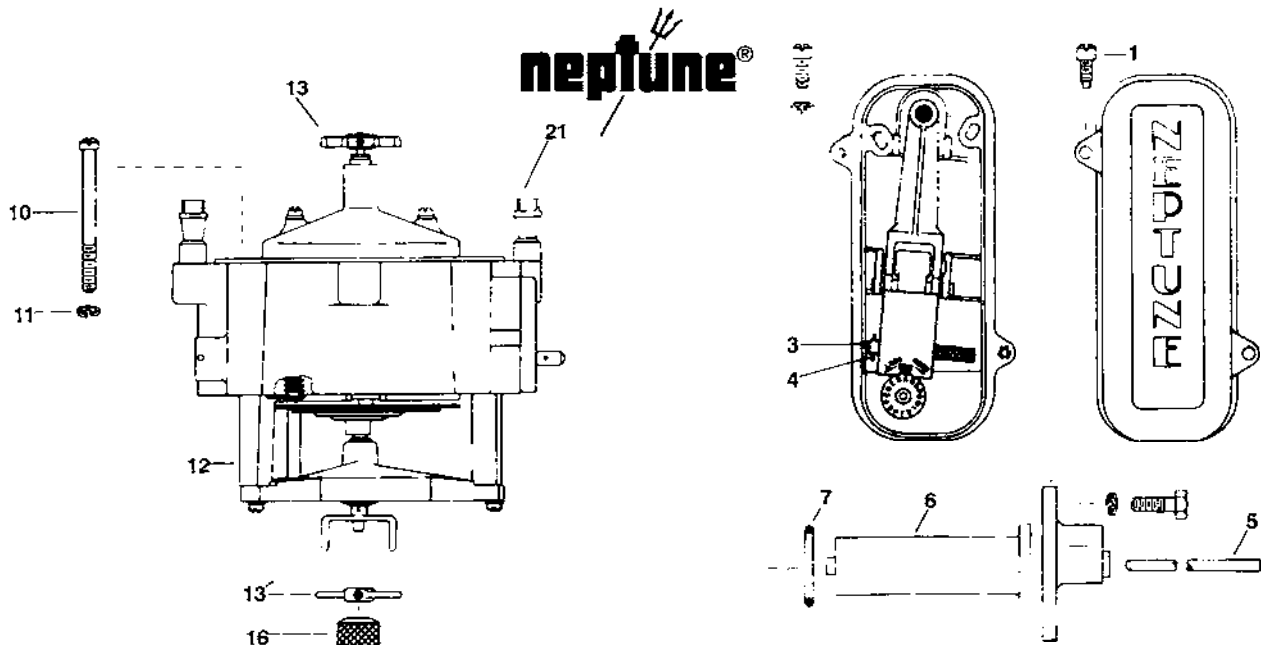
RMI Part No.	Description
833EX	Neptune Register Exchange
833CORE	Register Core - returned by customer
D3311EX	Veederroot Register Exchange
D3311CORE	Register Core - returned by customer

When the customer register is returned, the account will be credited for RMI part # 833CORE or D3311CORE.

Note: Customer is responsible for shipping costs in & out.

PARTS: Full stock of parts for the repair of pumps, meters, registers, and compressors, and valves. (Blackmer/Neptune/Corken/Liquid Controls/Fisher)



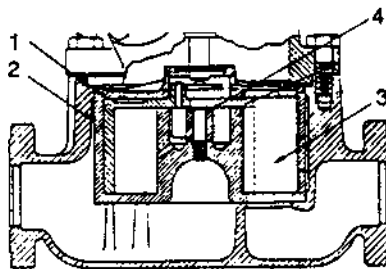


TEMPERATURE COMPENSATOR

Key	Part Description	RMI Part No.		
		1 1/4"	1 1/2"	2"
1	Screw, Cover	9287-003	9287-003	9287-003
2	Mounting Plate and Lever Arm Assy.	86665-000	86665-000	86665-000
3	Pin, Lever Arm Lock	86661-001	86661-001	86661-001
4	Cotter Pin 1/16" dia. x 3/8", Brass	86973-000	86973-00	86973-000
5	Pin, Thermostat	86648-000	86648-000	86648-000
6	Thermostat	86646-000	86646-000	86646-000
7	O-ring	100139-005	100139-005	100139-005
8	Thermometer Well, Complete	86666-702	86666-702	86666-702
9	Cover	83732-000	83732-000	83732-000
10	Screw, 1/4", 20 x 2 1/2, Fil Hd Steel	8302-107	8302-107	8302-107
11	Lockwasher, 1/4" Steel, Small	88721-000	88721-000	88721-000
12	Adaptor Unit Complete	86602-005	86602-005	86602-005
13	Star Assy.	82976-001	82976-001	82976-001
14	Adaptor	85006-000	85006-000	--
15	Gear Train Complete	83501-000	84981-000	83502-000
16	Nut Stuffing Box	83536-000	83536-000	83536-000
17	U-Cup, Shaft Seal	100025-002	100025-002	100025-002
18	Expander	83539-000	83539-000	83539-000
19	Stuffing Box Spring	83540-000	83540-000	83540-000
20	O-ring	100138-003	100138-003	100138-003
21	Mounting Stud	84435-000	84435-000	84435-000
1-21	Compensator Complete	86600-201	86600-204	86702-301

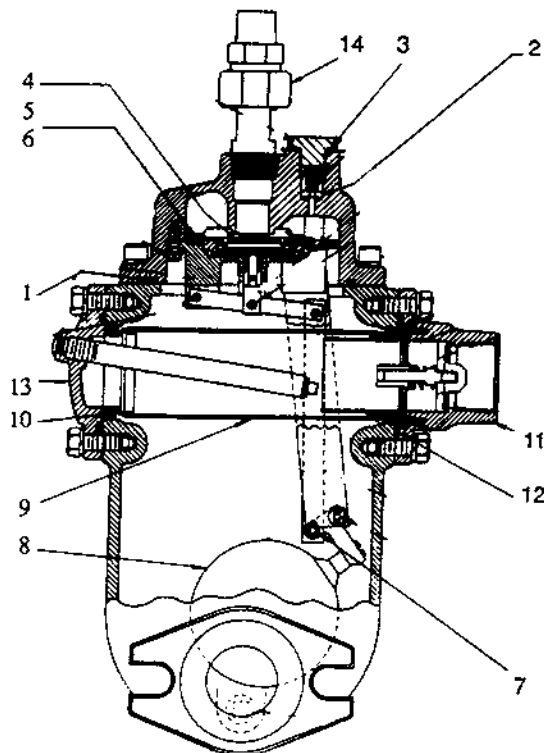
MEASURING CHAMBER

Key	Part Description	RMI Part No.		
		1 1/4"	1 1/2"	2"
1	Gasket	4862-008	4862-008	84806-000
2	Measuring Chamber Complete	43260-101	83271-101	45806-101
3	Diaphragm	43271-000	83277-000	42312-001
4	Roller, Control	43275-000	43275-000	42316-001





VAPOR RELEASE AND STRAINER



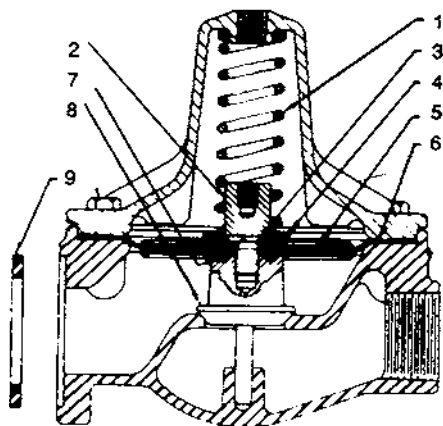
Vapor Release and Strainer

VAPOR RELEASE AND STRAINER

Key	Description	RMI Part No.		
		1 1/4" D1 1/2"	2" (4D)	2" (4D-MT)
1	Gasket O-ring	100139-022	100139-022	100139-022
2	Valve Assembly Bypass	100237-001	100237-001	100237-001
3	O-ring, 1/16" Sect x 1/16" ID	100138-006	100138-006	100139-006
4	Main Valve Complete	89274-006	89274-006	89274-006
5	Sleeve, Valve	82446-005	82446-005	82446-005
6	Piston, Seal	83179-000	83179-000	83179-000
7	Cotter Pin, 1/16" dia x 1/2", Brass	41402-000	41402-000	41402-000
8	Float, Complete	82476-001	82476-001	82476-001
9	Strainer and Gasket Assembly (80-mesh)	101433-704	101405-004	101405-004
10	Gasket, Strainer, O-ring	100139-032	100139-038	100139-038
11	Inlet Check Valve, Complete (soft seal)	84983-704	84813-702	84813-702
12	Gasket, O-ring	100139-010	84818-000	100139-018
13	Strainer Cover (with thermometer well)	83485-702	84811-701	400074-001
14	Valve, Vapor Return Check (straight type)	84828-000	84828-000	84828-000
	Strainer cover (without thermometer well)	83486-705	84812-702	--
	Complete Gasket Kit	101757-001	101758-001	--



DIFFERENTIAL VALVE



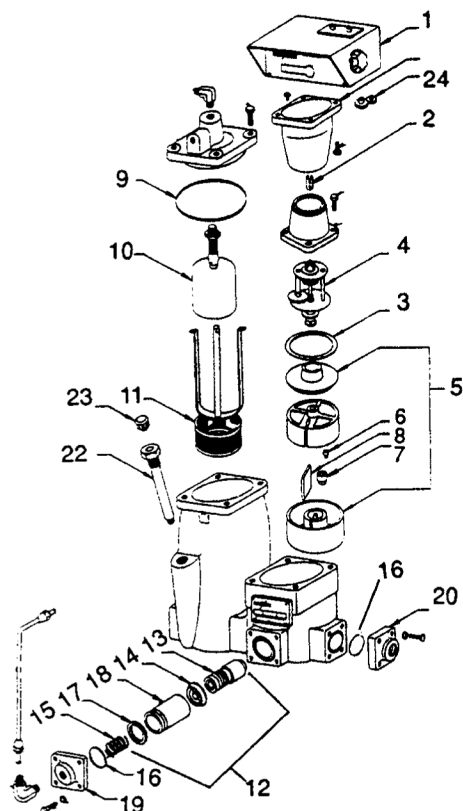
Differential Valve

DIFFERENTIAL VALVE

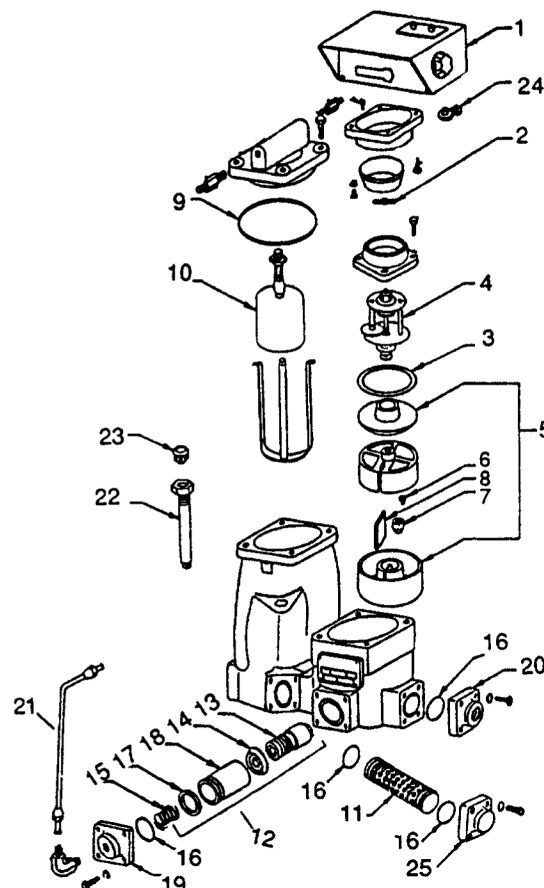
Key	Description	RMI Part No.	
		1 1/4" D1 1/2"	All 2"
1	Spring, Valve	83775-000	83775-000
2	Screw, Diaphragm	83774-002	83774-002
3	Lockwasher, 7/16" Steel	41012-002	41012-002
4	Retainer, Spring	83773-000	83773-000
5	Retainer, Diaphragm	83772-002	83772-002
6	Diaphragm	1000624	1000624
7	Gasket, O-ring	100139-001	100139-001
8	Valve Stem Assembled	83768-002	83927-002
9	Gasket, Flange	82060-000	84818-000
	Diaphragm Complete	83946-006	1001569



3/4" TYPE 4D



1" WITH 3/4" FPT CONNECTIONS
TYPE 4D AND TYPE 4D-MD



PARTS - NEPTUNE METERS

Key	Description	RMI Part No.	
		3/4"	1"
1	Register Complete 600 Series/Gal.	100498-009	100498-016
2	Coupling and Key Assembly	100711-004	82976-001
3	Main Case Gasket	4861-016	4861-016
4	Gear Train Complete	80905-012	80905-017
5	Measuring Chamber Complete	42075-101	101748-001
6	Seal Pin	42792-000	42792-000
7	Control Roller	42086-000	42086-000
8	Diaphragm	42791-000	42791-000
9	O-Ring	100139-012	100139-012
10	Float Assembly	87188-001	87188-001
11	Strainer	87185-000	101738-001
12	Differential Valve Kit Complete	100028-001	100028-001
13	Piston	100160-002	100160-00

PARTS - NEPTUNE METERS

Key	Description	RMI Part No.	
		3/4"	1"
14	U Cup, Seal	100025-009YY	100025-009YY
15	Spring	100024-001	100024-001
16	Cover O-Ring	100139-007	100139-007
17	Sleeve Sealing O-Ring	100139-006	100139-006
18	Valve Sleeve	100027-003	100027-003
19	Cover Flange	400020-702	400020-702
20	Flange, Inlet or Outlet	87180-700	87180-700
21	Tube Assembly	N/A	87196-001
22	Thermometer Well Assy.	86666-702	86666-702
23	Cover, Thermometer Well	83732-000	83732-000
24	Change Gears (Give Number of Teeth to Designate Last 2 Digits of Part #)	81230-0__	81230-0__
25	Strainer Cover	N/A	400020-701
	Complete Gasket Set	101756-001	101756-001