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### Technical Specification

Requisition No. 63289773 dt. 26.11.2013 & 62602238 dt. 23.10.2013

3" (80mm) PD METER FPR ATF APPLICATION

Casing	Double
Type/Design	Tri-Rotor
End connection	3"
Flow rate	1500 LPM
Maximum Pressure rating	150 PSI
Temperature	- 40°C to + 70°C
Housing	Carbon steel SA 516 Gr 70
Bearing Plate	Ni-Resist
Blocking Rotor	Anodized Aluminum
Displacement Rotor	Anodized Aluminum
Rotor Journal	SS316 Hardchrome
Seals	Buna N
Linearity	+/-0.22% or better over a 10:1 range from maximum nominal meter capacity
Repeatability	0.05% of reading over entire range and beyond.

Technical Specifications for Counter:

Type	Mechanical
Digits	5 Digits re-settable and 8 digits non-settable
Unit of registration	Liters
Mounting	On the top of preset counter

Technical Specifications for Preset:

Type	Mechanical
Digits	5 Digits re-settable
Unit of registration	Liters
Mounting	On the top of Gear Train

Technical Specifications for VS3 Mechanical Preset Valve:

Type	Mechanical
End Connection	3"
Body	CS
Seals	Buna N

  
मुख्य चालन शक्ति अभियंता (डीजल एवं रनिंग)  
पश्चिम मध्य रेल, जबलपुर  
Chief Motive Power Engineer (D. & R.)

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Technical Specifications of 3" Strainer cum AIR Eliminator (Combined Unit)

Design	As per ASME Section VIII
Body Material	Carbon Steel
Basket Mesh Material	SS304
Basket Mesh Size	40 Mesh
Seals Material	Buna
End Connection	3" ANSI B16.5, 150# SORF Serrated Face Finish 125- 250 AARH
End Flange Material	A 105
Design Pressure, Max	15 Kg/cm <sup>2</sup>
Design Temperature	70 Deg. C
Maximum Flow Rate	1500 LPM
Drain	3/4" x 150 # Flange end with CS Drain Valve
Vent	3/4"
Float & Reed Material	SS 304
Mounting	On top of the Strainer

**NOTE: Installation and commissioning of flow meters may be done under supervision of Indian Oil Company Ltd, maintainer of Railway Consumer Depot (RCD). Payment will be done after getting satisfactory working report of flow meters from IOCL.**



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