

# SUNGOV

## FLASH RECOVERY VESSELS (FR)

### MODEL: FR-V

#### Purpose:

- Flash Recovery Vessels (FR) are used for recovery of flash steam generated during discharge of high pressure condensate in to low pressure return lines
- Model FR-V is designed for vertical installation only (flash steam outlet perpendicular to base)

#### Features:

- Mechanical design as per ASME Section VIII Div 1 Code as standard
- ASME Certification Mark (Code designator 'U') stamping available as option
- Flash vessel shell sized to ensure efficient phase separation of condensate
- Flash vessel vent and drain outlet ports sized for low velocity fluid flow as standard

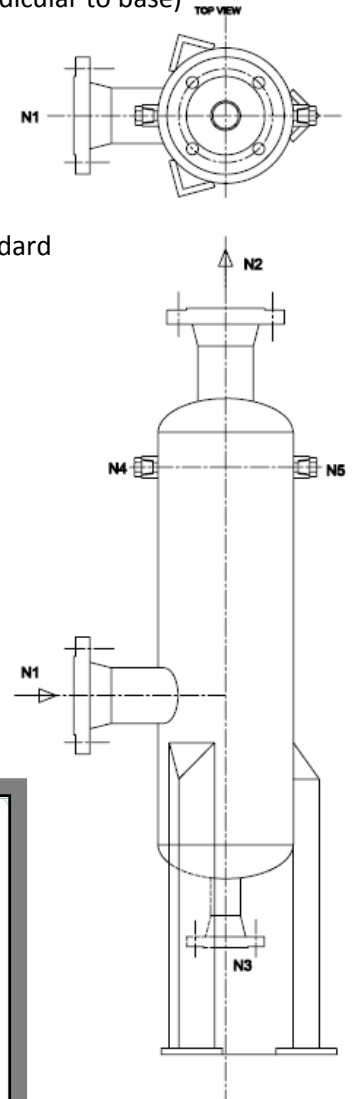
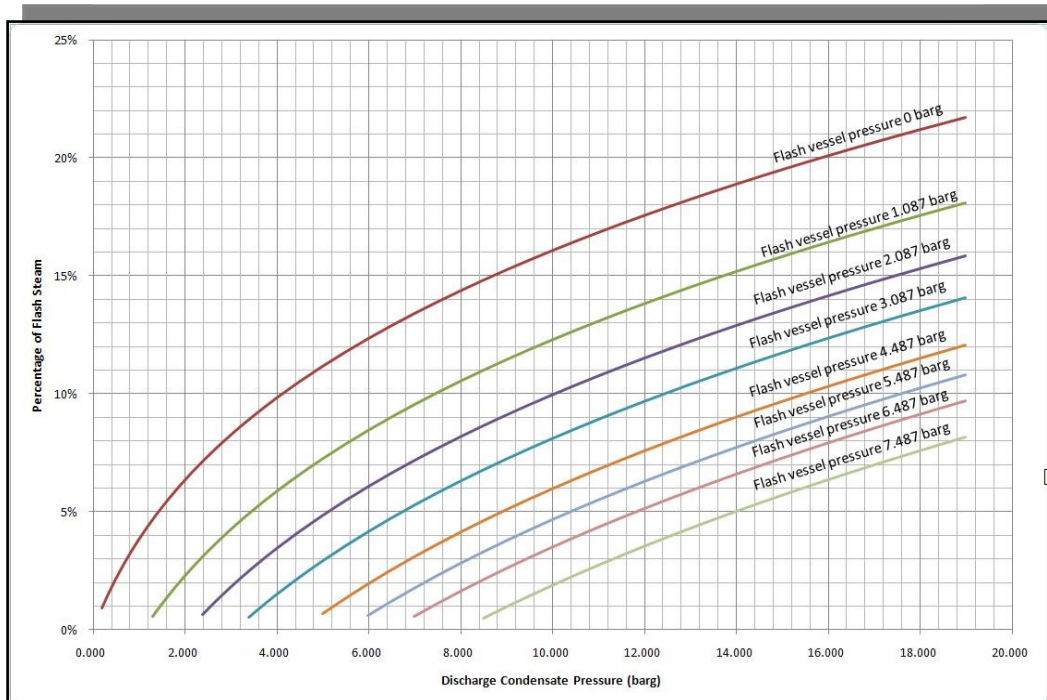
#### Standard End Connections:

- Flanged RF as per ASME B16.50 Class 150 for N1, N2, N3
- NPT (f) with plug as per ASME B1.20.1 for N4, N5

#### Standard Parts List:

- Shell & Nozzles - ASTM A106 Gr. B
- Flanges - ASTM A105
- Dish - ASTM A234 Gr. WPB
- Other - Carbon Steel

*Sample Flash Steam Percentage Calculation for Some Flash Vessel Pressures*



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