

Customer	E-Saan Bio Power	D/M/Y	20/9/2018
Project	E-Saan Sugar	No.	QTM610131

### Cacluation Result for 4 inch

Liquid   
  Gas   
  Steam

Inlet Pipe Size (inch.)	4
Outlet Pipe Size (inch.)	4
Inlet Schdule (Sch.)	40
Outlet Schdule (Sch.)	40
Trim Type	CAGE(P-PORT)
Body Size	DN100(4")
Seat Size	DN100
RatedCV CV	200
Rangeability	50
Modified Radio	1
Sat.Temp.	342.73

### Opera. Conditions

Flow Rate (Ton/hr)	60
Inlet Pressure (BarG)	150
Outlet Pressure (BarG)	120
Diff. Pressure (Bar)	30
Operating Temperature (Deg C)	100
Density (KG/M3)	958.13
Vapor Pressure (BarA)	1.01
Viscosity (cp)	1
Required Capacity (CV)	12.934
Valve Opening (EQ%)	30%
Noise Level (dBA)	88.469
Outlet Valve Velocity (m/sec)	2.145
Inlet Line Velocity (m/sec)	2.117
Cavitation/Flashing	non
Chocked Flow	non
Allow.DP-Chocked (Bar)	121.63
Allow.DP-Cavitate (Bar)	97.566