

Dip Pipes - Questionnaire / Design Specification



		"Dip Pipe"							
		Dip Pipe (two flanges)		Dip Leg (one flange)					
		Steel core		Steel core		Solid PTFE			
		Straight	Curved	Straight	Curved	Straight	Knuckle		
Operating temperature range									
Operating pressure range									
Contained media									
Dip Pipe NB (1)									
Process Flange NB									
Process Flange type (eg ASME 150)									
Process flange: Fixed/Rotating									
Vessel Flange NB									
Vessel Flange type (eg ASME 150)									
Face to face (150mm is standard) (2,5)									
ASME Flange drilling - UNC or Metric									
For 1" & 1.1/2" NB ASME dip pipe with metric drillings, specify thread size (9)		M12/M14	M12/M14						
Immersion length (2,6)									
Liner (virgin/antistatic)									
Offset required (7)									
Length before start of curve									
Extras: Earthing studs/lugs, vent extensions, vac liner (4), spray ball, sparger pipe, special machined end, anti-syphon system									

1. Is the dip pipe/leg in the media? Y/N If yes answer question 2
 2. Is the vessel agitated? Y/N If yes answer questions 3-6
 3. Media density
 4. Media viscosity
 5. Agitator diameter
 6. Agitator speed

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Notes

- NB sizes available: 1" - 4"
- Maximum lengths: 1" - 3": 3000mm, 4": 2700mm (this is the sum of the immersion length & the face to face length)
- Minimum nozzle IDs required: 1": 45mm, 1.1/2": 60mm, 2": 73mm, 3": 101mm, 4": 130mm.
- Vac liners are only necessary, for hot high vacuum situations.
- The face to face dimension is from the upper face of the process flange to the lower face of the vessel flange, including liner on both faces
- The immersion length is from the underside of the vessel flange to the tip of the dip pipe/leg
- The offset is the distance from the centreline of the dip pipe to the centre of the tip of the dip pipe. Nb. Minimum bend radius = 500 - 700mm (steel core)
- Solid PTFE dip pipes/legs are unsuitable for immersion in media of agitated vessels
- M12/M14 Delete as appropriate