

## Specification for PFA Fully Lined, Two Way Plug Valves

Valve Size: 100 NB

Quantity: *new (3) nos*

Valve Manufacturer	Xomox / BDK / Akay / pennant		
Design. Std.	API 599, BS 5353	ANSI Rating	Class # 150
Size mm(inch)NB			
Ends	Flanged ends as per BS-10 table - I	Face to Face Dimension	As per ASME B16.10
Testing Std.	API - 607	Test Pressure Std.	Class # 150
VALVE DESIGN CONDITION			
Temperature, °C	Ambient temp.	Installation	Above Ground
Design Feature	PFA Sleeve fully retained around top, bottom and around ports		
	Lips 360° surrounding ports		
	2- way PFA Sleeved plug, all sealing are machined to close tolerance		
VALVE OPERATOR REQUIRMENT			
Type of Operator	Wrench Operator	Operator Service	Ammonia Solution (25% W/W)
VALVE MATERIAL SPECIFICATION			
PART DESCRIPTION	MATERIAL	SPECIFIED	Offered Material
Body & Cover	Ductile Iron	ASTM A395 Gr. 60-40-18	
Plug	316 Stainless steel	ASTM A351 Gr. CF8M	
Body & Plug Lining	PFA	PFA	
Diaphragm / Wedge ring	PTFE	PTFE	
Metal Diaphragm	304 Stainless steel	ASTM A240 type 304	
Thrust collar/fasteners	304 Stainless steel	ASTM A240 type 304	
Lever	Steel		
Surface Production Coating	Corrosion-resistant paint		

### Note:-

- 1) Product catalogues with cross-sectional drawing must be submitted by the party along with offer.
- 2) Overall dimension along with weight of the valve must be mentioned with offer.
- 3) UCIL may check the material composition at their end, In case of any difference in result. UCIL decision shall be final & binding.
- 4) Material Test certificates and hydrostatic test certificate must be provided along with material.
- 5) Supplier should either be a Manufacture or its authorized dealer/distributor for the quoted makes. In support of same relevant certificate must be submitted along with offer.

*1*  
*total*