

TECHNICAL SPECIFICATION Anti-Caking Unloading Barrel Pump					
GENERAL	1	Tag No.	2-P-503		
	2	Service	Anti-Caking Solution (55-65%)		
	3	Type	Barrel Pump		
	4	Driver	Electric motor (400 V, 50 Hz, 3 ph)		
	5	Area Classification	Non Hazardous		
PROCESS CONDITIONS	6		min	Operating	max
	7	Density kg/lt	1,033	1,033	1,033
	8	Head m	5	10	15
	9	Suction Pressure bar,a	1.0	1.0	1.0
	10	Suction Temp. C	35	50	60
	11	Required capacity, l/min	00	60	100
	12	VISCOSITY (25°C, cPs)	200 max.		
	13	pH	7 - 9		
	14	Fluid nature	Non Corrosive		
	15	Efficiency %	-		
	16	Power Required, kW	-		
	17	Installation	Outdoor		
	18	Motor Speed, rpm	-		
	19	Motor rating, kW	-		
MATERIAL OF CONSTRUCTION	20	Impeller type	-		
	21	Pump outlet connection	1"		
	22	Pump tube type (pump assembly)	SS 304		
	23	Mechanical seal	-		
	24	Coupling	-		
	25	Rotation	-		
	26	Type of drive	Direct		
	27	Casing	-		
	28	Impeller	-		
	29	Shaft	-		
	30	Wear Plate	-		
PURCHASE	31	Manufacturer			
	32	Model			
	33	Purchase Order Number			
	34	Price			
	35	Serial Number			
Notes:					
1. * Marked Items will be provided by Vendor.					
2. Vendor to furnish catalogue with bid.					
3. Vendors to quote two years operation & commissioning spares along with offer. (with price break up)					
4. Vendor to provide operating range "min/max" = extreme values					
5. Vendor to provide performance curves.					
Prepared By:	ARN		TECHNICAL SPECIFICATION Anti-Caking Unloading Barrel Pump		
Approved By:	SA				

TECHNICAL SPECIFICATION Anti-Caking Solution Recirculation Pump				
GENERAL	1	Tag No.	2-P-501	
	2	Service	Anti-Caking Solution (55-65 %) A	
	3	Type	Centrifugal	
	4	Driver	Electric motor (400 V, 50 Hz, 3 ph)	
	5	Area Classification	Non Hazardous	
PROCESS CONDITIONS	6		min	Operating
	7	Density kg/lt	1.033	1.033
	8	Head m	15	15
	9	Suction Pressure bar.a	1.0	1.0
	10	Suction Temp. C	35	50
	11	Required capacity, m3/hr	5	5
	12	NPSH available(m)	8.5	
	13	NPSH Required(m)	*	
	14	Fluid natura	Non Corrosive	
	15	Efficiency %	-	
	16	Power Required, kW	-	
	17	Installation	Outdoor	
	18	Motor Speed, rpm	-	
MATERIAL OF CONSTRUCTION	19	Motor rating, kW	-	
	20	Impeller type	-	
	21	Bearing	-	
	22	Mechanical seal	-	
	23	Coupling	-	
	24	Rotation	-	
	25	Type of drive	Direct	
	26	Casing	-	
	27	Impeller	-	
	28	Shaft	-	
	29	Wear Plate	-	
PURCHASE	30	Manufacturer		
	31	Model		
	32	Purchase Order Number		
	33	Price		
	34	Serial Number		
Notes: 1. * Marked Items will be provided by Vendor. 2. Vendor to furnish catalogue with bid. 3. Vendors to quote two years operation & commissioning spares along with offer. (with price break up) 4. Vendor to provide operating range "min/max" = extreme values 5. Vendor to provide performance curves. €				
Prepared By:	ARN		TECHNICAL SPECIFICATION Anti-Caking Solution Recirculation Pump	
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