



# PUMPSOLUTIONS

AUSTRALASIA  
Precision Performance Pumps

## Pump Selection Criteria Sheet

Item		Units	Quantity		
<b>1</b>	<b>PROCESS INFORMATION</b>				
	PROCESS DESCRIPTION	-			
	DUTY DESCRIPTION	24/7/365			
	PLANT DESIGN LIFE	years			
1.04	RELEVANT PIDS & PFS	-			
<b>2</b>	<b>SITE CONDITIONS</b>				
2.01	LOCATION / GENERAL CONDITIONS	-			
2.02	OPERATIONAL AVAILABILITY	%			
<b>3</b>	<b>DESIGN CRITERIA</b>				
3.01	SLURRY DESCRIPTION	-			
3.02	SLURRY TEMPERATURE	°C			
3.03	SLURRY VISCOSITY	cP			
3.04	SLURRY pH	-			
3.05	PARTICLE SIZE	-			
3.06	P80	µm			
3.07	P50	µm			
3.08	SOLIDS SG	t/m3			
3.09	SOLUTION SG	-			
3.1	ABRASION INDEX	-			
3.11	FROTH VOLUME FACTOR (FVF)	-			
<b>3.12</b>	<b>DUTY</b>		<b>MIN</b>	<b>NOM</b>	<b>MAX</b>
3.13	SOLIDS THROUGHPUT	t/h			
3.14	SOLIDS CONCENTRATION	%w/w			
3.15	SLURRY SG	t/m3			
3.16	SLURRY FLOWRATE	m3/h			
3.17	DESIGN DYNAMIC SUCTION HEAD (SLURRY)	m			
3.18	DYNAMIC DISCHARGE HEAD (SLURRY) [NOTE 1]	m			
3.19	TOTAL DYNAMIC HEAD (SLURRY) [NOTE 1]	m			
3.2	NPSHA (SLURRY)	m			
<b>4</b>	<b>PUMP FEATURES</b>				
4.01	PUMP CONFIGURATION	-			
4.02	DRIVE CONFIGURATION	-			
4.03	DISCHARGE CONFIGURATION	-			
4.04	BASE-FRAME MOUNTING ARRANGEMENT	-			
4.05	SPEED CONTROL	-			
4.06	SHAFT SEALING SYSTEM	-			
4.07	PUMP SUCTION / DISCHARGE FLANGES	-			
4.08	SYSTEM POWER SUPPLY	V / ph / Hz			