

BERMAD Sizing Report

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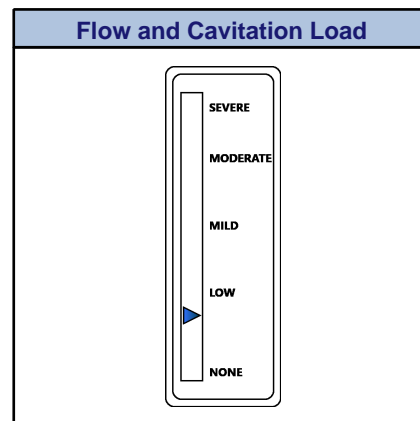
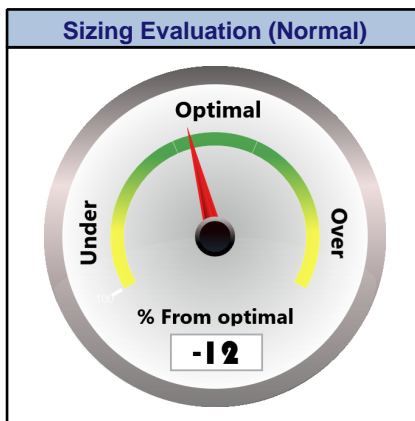
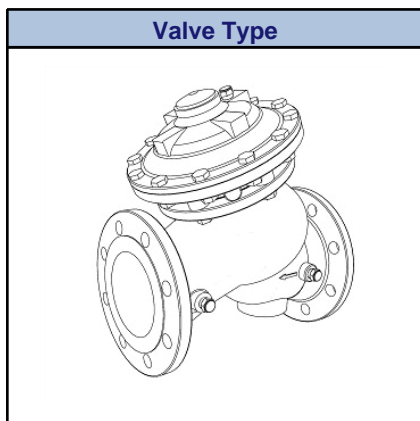


Project Details	
Project:	Tank Fill application
Customer:	Water Company
Sized By:	Colin Kirkland
Date:	4/15/2019
Country:	Australia
Tag:	
Remarks:	Valve fitted with anti-cavitation trim

Valve Data	
Series:	700
Type:	00
Application:	Level Control Modulating (50)
Control Loop:	3 Way
Body Material:	Ductile Iron
Plug:	Double Cage
Pattern:	Y

Operation Data	Min. Flow	Normal Flow	Max. Flow	Units
% - Working Time:	25	50	25	%
Q - Flow Rate:	2	4	7	lps
P1 - Upstream Pressure:	100	80	60	m
P2 - Downstream Pressure:	5	5	5	m

Results	Min. Flow	Normal Flow	Max. Flow	Units
Ø - Valve Size:	2" (DN50)			
UA - Valve Authority:	95.0	75.0	55.0	m
UA - Valve Authority:	1.5	6.2	18.9	m
V - Flow Velocity (pipe):	1.0	2.0	3.6	m/s
QC - Choked Flow:	15	14	12	lps
H - Valve Travel:	2.1	3.3	6.7	mm
N - Hydraulic Noise:	63.0	68.3	72.2	dBA
Flow and Cavitation Valve Load:	NONE	NONE	NONE	
Weighted Time to Overhaul:		36889		hours
Notes				



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