

## THERMOPLASTIC PIPING SYSTEMS - CASE STUDIES

Chemical	Concen.	Pressure	Temp.	PVC 16 Bar	PP 10 Bar	PVC 16 Bar	PP 10 Bar	PVC 16 Bar	PP 10 Bar
Operating	Operating	Operating	Operating	P Service Limits at Oper.T		Corr. Service Limits at Oper.T		Acceptability	

Case 1	Sulphuric Acid	90% Aq.	5 Bar	60 Degree C.	4 Bar	3.6 Bar	40 Degrees C	20 Degrees C	REJECT (P)	REJECT (T,P,Corr.)
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Limited service

Case 2	Sulphuric Acid	90% Aq.	3 Bar	60 Degree C.	4 Bar	3.6 Bar	40 Degrees C	20 Degrees C	REJECT (T, Corr.)	REJECT (T,P,Corr.)
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Limited service

Case 3	Sulphuric Acid	90% Aq.	8 Bar	40 Degree C.	10 Bar	7 Bar	40 Degrees C	20 Degrees C	PASS	REJECT (Corr.)
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Limited service

Case 4	Sulphuric Acid	Up to 60%	4 Bar	60 Degree C.	4 Bar	3.6 Bar	60 Degrees C	60 Degrees C	PASS	REJECT (P)
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