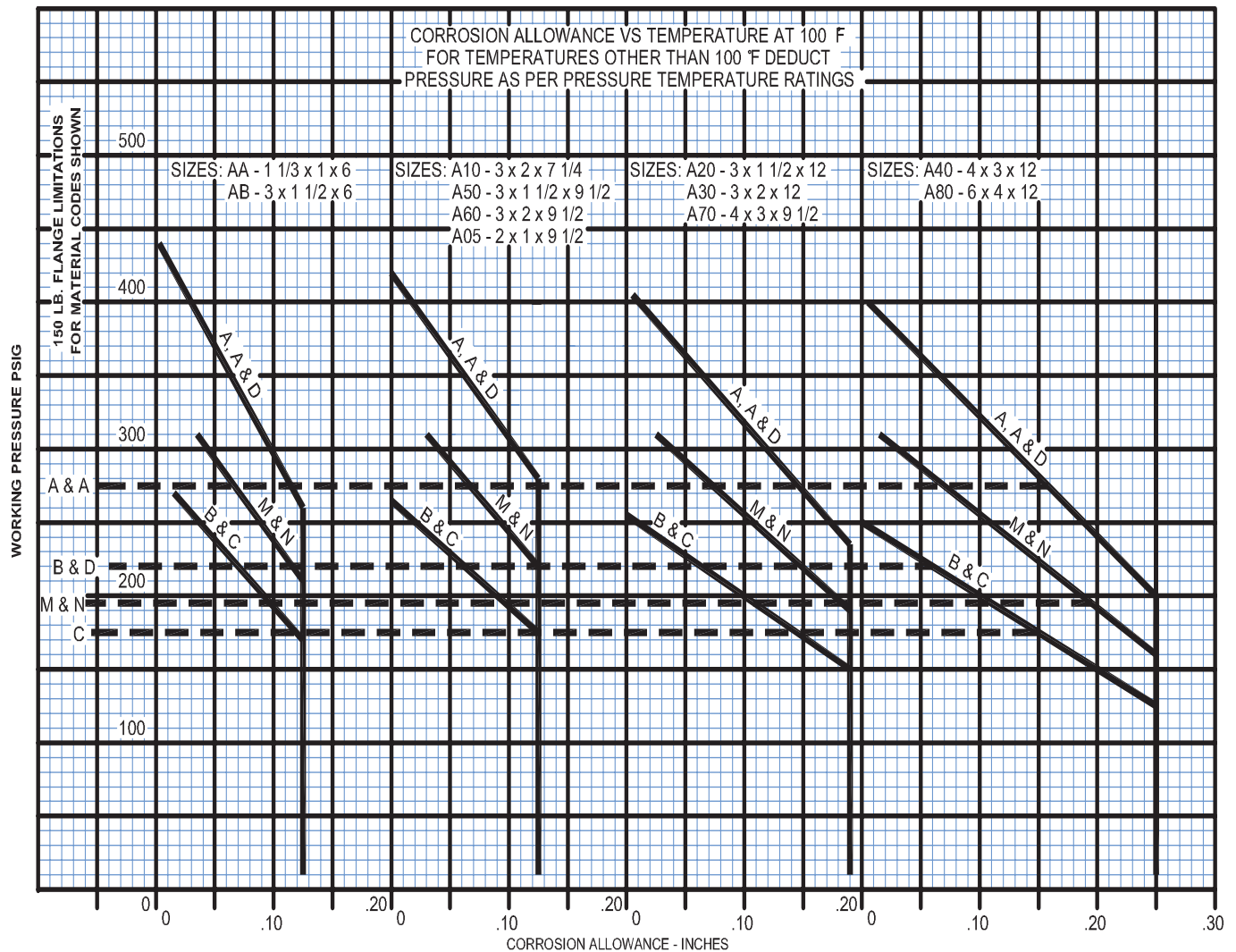


Vertical In-Line Chemical & Process Pumps



EXAMPLES:	VAA-E PUMP - STEEL CASE - 300# FLANGES
	100°F - Maximum Working Pressure + 350 psi (PT chart) Corrosion Allowance = .0623" = 1/16" (CA chart)
	350°F - Maximum Working Pressure = 285 psi (PT chart) Corrosion Allowance = .109" = 7/64" (CA chart)
	VA40-E PUMP - DUCTILE IRON CASE - 150# FLANGES
	100°F - Maximum Working Pressure + 220 psi (PT chart) Corrosion Allowance = .22" = 7/32" (CA chart)
	350°F - Actual Working Pressure = 50 psi (Assumed) Corrosion Allowance = .25" = 1/4" (CA chart)

Minimum case corrosion allowance with good design practice is 1/16" at the maximum allowable working pressure of the pump. Figure 3180 pumps have this allowance. However, for a given case thickness, corrosion allowance varies inversely with actual working pressure. Thus, a user operating a pump at lower working pressure can permit more than 1/16" corrosion before retiring the case. The above chart is designed to illustrate this. To find corrosion allowance enter chart at: maximum or actual working pressure and read corrosion allowance at intersection of solid line (diagonal or vertical).