

Table 1 - Allowable Average Non-Condensable Gas Void Fractions (to preclude pump mechanical damage)

		$\% \frac{Q}{Q_{BEP}}$	BWR Typical Pumps	PWR Typical Pumps		
				Single Stage (WDF)	Multi-Stage Stiff Shaft (CA)	Multi-Stage Flexible Shaft (RLIJ, JHF)
A	Steady State Operation	40%-120%	2%	2%	2%	2%
B	Steady State Operation	< 40% or > 120%	1%	1%	1%	1%
C	Transient Operation	70%-120%	10% for ≤ 5 sec	5% for ≤ 20 sec	20% for ≤ 20 sec	10% for ≤ 5 sec
D	Transient Operation	< 70% or > 120%	5% for ≤ 5 sec	5% for ≤ 20 sec	5% for ≤ 20 sec	5% for ≤ 5 sec

Table 2 - Allowable Average Non-Condensable Gas Void Fractions (to preclude significant reduction in discharge head)

	$\% \frac{Q}{Q_{BEP}}$	BWR Typical Pumps	PWR Typical Pumps		
			Single Stage	Multi-Stage Stiff Shaft	Multi-Stage Flexible Shaft
Steady State Operation	40%-120%	2%	2%	2%	2%
Steady State Operation	< 40% or > 120%	1%	1%	1%	1%