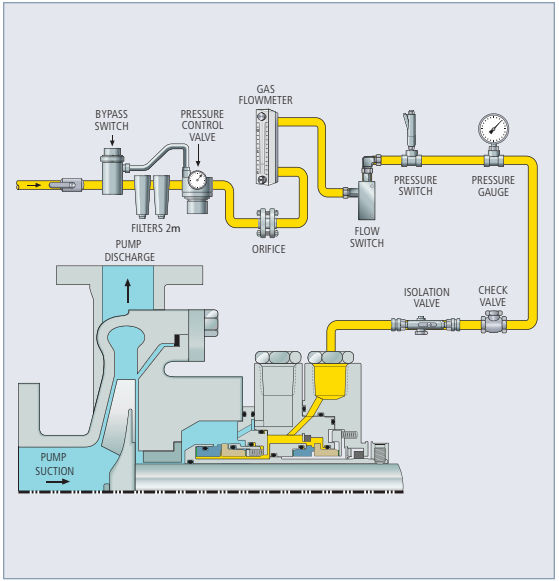
PLAN 72

Externally Supplied Buffer Gas

What	A low-pressure buffer gas is regulated between the primary seal and the containment seal; typically, nitrogen is used as the buffer gas.
Why	Can reduce emissions, cools the containment seal which is typically dry running and protects against icing in cryogenic services.
When	Normally used in conjunction with Plan 75 or Plan 76.

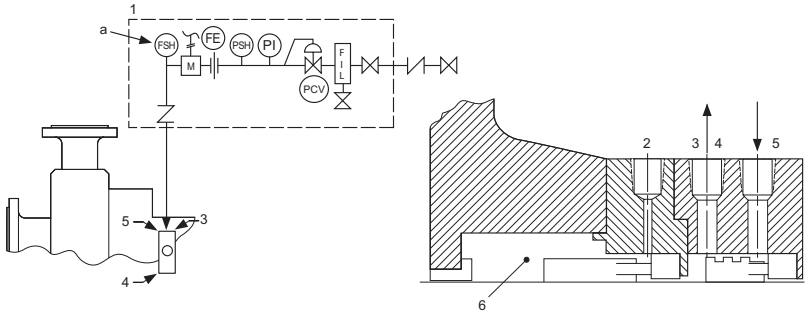


KEY

1 — Buffer Gas Panel
2 — Flush (F)
3 — Containment Seal Vent (CSV)
4 — Containment Seal Drain (CSD)
5 — Gas Buffer Inlet (GBI)
6 — Seal Chamber
FE — Flow Meter (magnetic type shown)
M — Monitoring
FIL — Coalescing Filter – Used to ensure solids and/or liquids which might be present in buffer gas do not contaminate seals
PCV — Pressure Control Valve – Used to limit buffer gas pressure to prevent reverse pressurization of inner seal and/or limit pressure applied to containment seal
PI — Pressure Indicator
PCL — Pressure Switch Low (optional, not shown)
FSH — Flow Switch High

NOTES

a — If specified



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