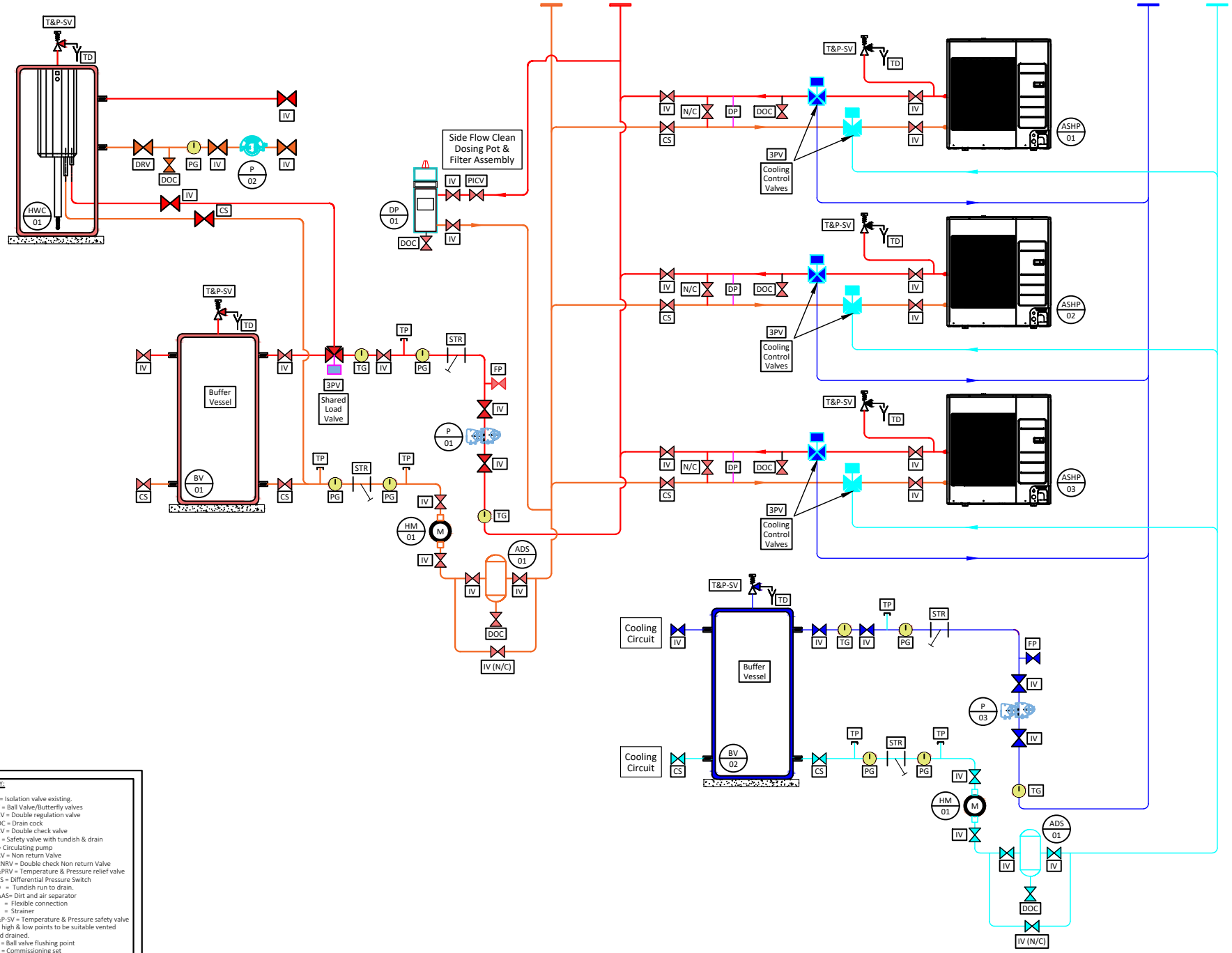

KEY:

IV = Isolation valve existing.
BV = Ball Valve/Butterfly valves
DRV = Double regulation valve
DOC = Drain cock
DCV = Double check valve
SV = Safety valve with tundish & drain
P = Circulating pump
NRV = Non return Valve
DCNRV = Double check Non return Valve
T&PRV = Temperature & Pressure relief valve
DPS = Differential Pressure Switch
TD = Tundish run to drain.
D&AS= Dirt and air separator
FC = Flexible connection
ST = Strainer
T&P-SV = Temperature & Pressure safety valve
All high & low points to be suitable vented and drained.
FP = Ball valve flushing point
CS = Commissioning set

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CDM - DESIGN RISK INFORMATION

Residual Risks which we have not been able to design out and which others could not be reasonably expected to know about.

RISK DETAIL & STAGE	SUGGESTED CONTROL MEASURE	DESIGNER

No.	Description	Date

MAXA GAMMA
i-290 HEAT PUMPS

CASCADE
HEATING, HOT WATER
AND COOLING

Project number	
Date	09/07/2023
Drawn by	ESS
Revision	

ESS/MAXA 008

Scale	NTS @ A3