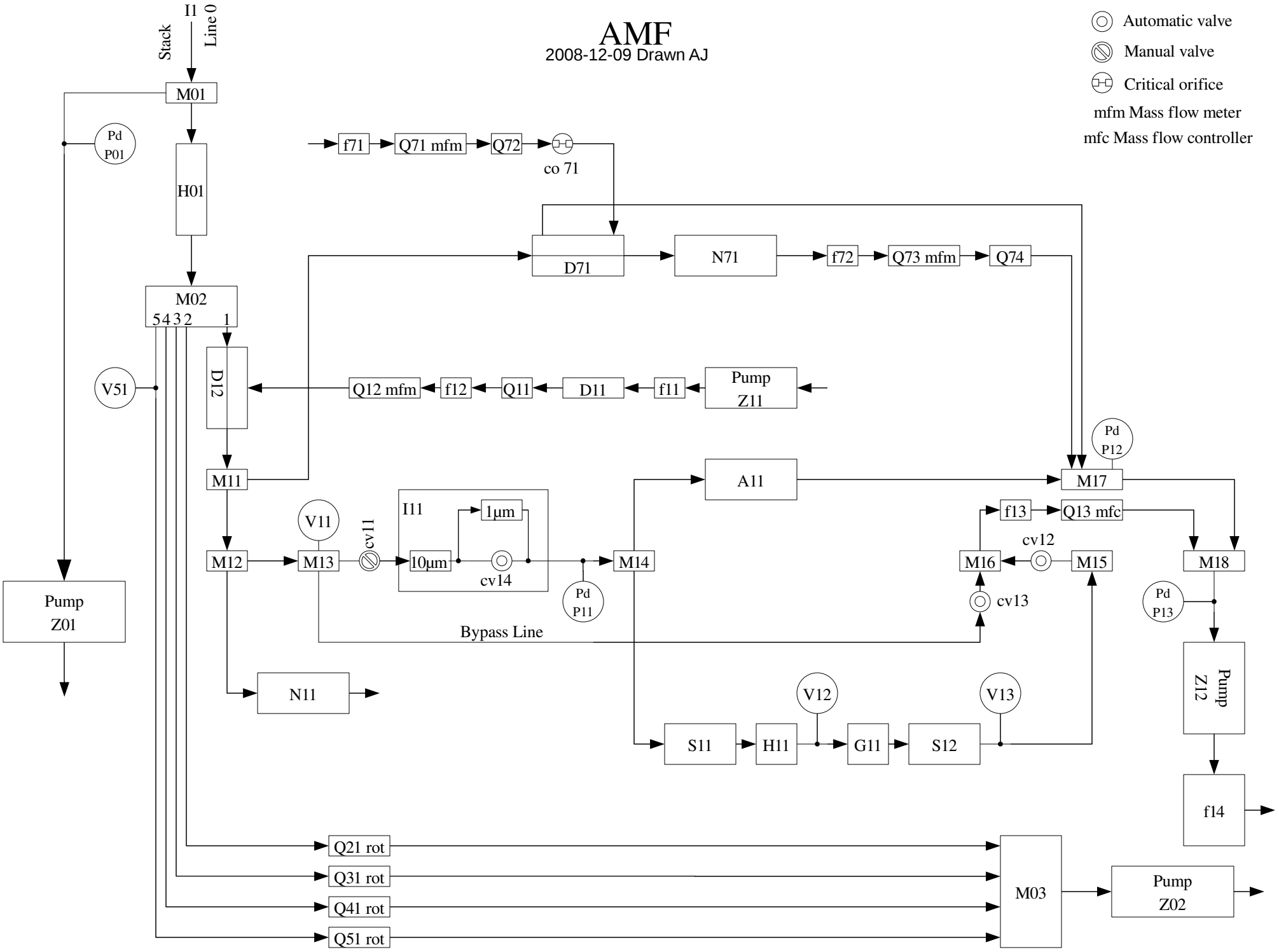
AMF
2008-12-09 Drawn AJ
Automatic valve
Manual valve
Critical orifice
mfm Mass flow meter
mfc Mass flow controller
I1
Stack
Line 0
M01
Pd
P01
H01
f71
Q71 mfm
Q72
co 71
D71
N71
f72
Q73 mfm
Q74
M02
5 4 3 2
1
V51
D12
Q12 mfm
f12
Q11
D11
f11
Pump
Z11
Pd
P12
M11
A11
M17
I11
1µm
10µm
cv14
V11
cv11
M12
M13
M14
f13
Q13 mfc
cv12
M16
M15
M18
cv13
Pd
P11
Pd
P13
Pump
Z01
Bypass Line
N11
V12
V13
Pump
Z12
S11
H11
G11
S12
f14
Q21 rot
Q31 rot
Q41 rot
Q51 rot
M03
Pump
Z02

```
Bap_B_3W        -> BaS_A11
Bap_G           -> BaO_A11
Bap_G_3W        -> BaL_A11
Bap_R_3W        -> BaC_A11
CN_ambient      -> N2_N11
CN_control      -> N_N71
dP_neph_imp_hPa -> Pd_P11
dp_Pitot_hPa    -> Pd_P01
dP_spare2       -> Pd_P12
Flags           -> F_aer
P_refNeph       -> P_S11
P_wetNeph       -> P_S12
Q_3_lpm         -> Q_Q12
Q_analyzer_lpm  -> Q_Q13
Q_CN_lpm        -> Q_Q73
Q_CNdrier_lpm   -> Q_Q71
RefBbsp_B       -> BbsB_S11
RefBbsp_G       -> BbsG_S11
RefBbsp_R       -> BbsR_S11
RefBsp_B        -> BsB_S11
RefBsp_G        -> BsG_S11
RefBsp_R        -> BsR_S11
RH_refInlet     -> Uu_S11
RH_refNeph      -> U_S11
RH_S1           -> U_V12
RH_S2           -> U_V13
RH_sample       -> U_V11
RH_wetInlet     -> Uu_S12
RH_wetNeph      -> U_S12
T_refInlet      -> Tu_S11
T_refNeph       -> T_S11
T_S1            -> T_V12
T_S2            -> T_V13
T_sample_degC   -> T_V11
T_uMAC_degC     -> T_X1
T_wetInlet      -> Tu_S12
T_wetNeph       -> T_S12
V_uMAC_V        -> V_X1
WetBbsp_B       -> BbsB_S12
WetBbsp_G       -> BbsG_S12
WetBbsp_R       -> BbsR_S12
WetBsp_B        -> BsB_S12
WetBsp_G        -> BsG_S12
WetBsp_R        -> BsR_S12
```

```
BaC_A11  -> Bap_R_3W
BaL_A11  -> Bap_G_3W
BaO_A11  -> Bap_G
BaS_A11  -> Bap_B_3W
BbsB_S11 -> RefBbsp_B
BbsB_S12 -> WetBbsp_B
BbsG_S11 -> RefBbsp_G
BbsG_S12 -> WetBbsp_G
BbsR_S11 -> RefBbsp_R
BbsR_S12 -> WetBbsp_R
BsB_S11  -> RefBsp_B
BsB_S12  -> WetBsp_B
BsG_S11  -> RefBsp_G
BsG_S12  -> WetBsp_G
BsR_S11  -> RefBsp_R
BsR_S12  -> WetBsp_R
F_aer    -> Flags
N2_N11   -> CN_ambient
N_N71    -> CN_control
P_S11    -> P_refNeph
P_S12    -> P_wetNeph
Pd_P01   -> dp_Pitot_hPa
Pd_P11   -> dP_neph_imp_hPa
Pd_P12   -> dP_spare2
Q_Q12    -> Q_3_lpm
Q_Q13    -> Q_analyzer_lpm
Q_Q71    -> Q_CNdrier_lpm
Q_Q73    -> Q_CN_lpm
T_S11    -> T_refNeph
T_S12    -> T_wetNeph
T_V11    -> T_sample_degC
T_V12    -> T_S1
T_V13    -> T_S2
T_X1     -> T_uMAC_degC
Tu_S11   -> T_refInlet
Tu_S12   -> T_wetInlet
U_S11    -> RH_refNeph
U_S12    -> RH_wetNeph
U_V11    -> RH_sample
U_V12    -> RH_S1
U_V13    -> RH_S2
Uu_S11   -> RH_refInlet
Uu_S12   -> RH_wetInlet
V_X1     -> V_uMAC_V
```