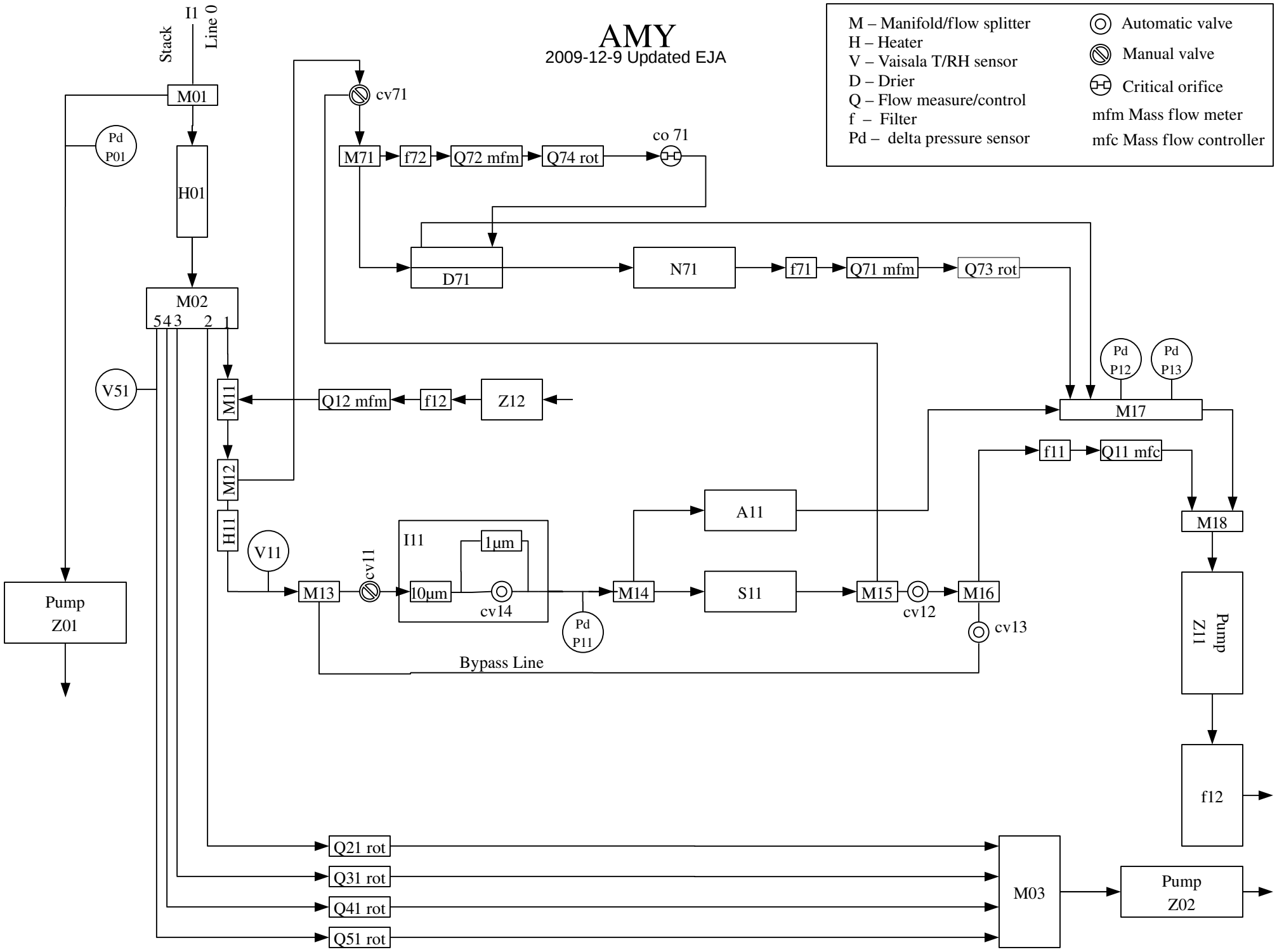
AMY
2009-12-9 Updated EJA
M – Manifold/flow splitter
H – Heater
V – Vaisala T/RH sensor
D – Drier
Q – Flow measure/control
f – Filter
Pd – delta pressure sensor
Automatic valve
Manual valve
Critical orifice
mfm Mass flow meter
mfc Mass flow controller
I1
Stack
Line 0
M01
Pd P01
H01
M02
5 4 3 2 1
V51
cv71
M71
f72
Q72 mfm
Q74 rot
co 71
D71
N71
f71
Q71 mfm
Q73 rot
M11
Q12 mfm
f12
Z12
M12
H11
V11
cv11
I11
1µm
10µm
cv14
M13
M14
A11
S11
M15
cv12
M16
cv13
Pd P11
Bypass Line
Pump Z01
Pd P12
Pd P13
M17
f11
Q11 mfc
M18
Pump Z11
f12
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_control      -> N_N61
dP_neph_imp_hPa -> Pd_P11
dp_Pitot_hPa    -> Pd_P01
dP_spare2       -> Pd_P12
Flags           -> F_aer
P_refNeph       -> P_S11
Q_analyzer_lpm  -> Q_Q11
Q_CN_lpm        -> Q_Q61
Q_CNdrier_lpm   -> Q_Q62
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_Ambient      -> U_V01
RH_Inlet        -> U_V51
RH_refInlet     -> Uu_S11
RH_refNeph      -> U_S11
T_Ambient       -> T_V01
T_Inlet         -> T_V51
T_pumpbox_degC  -> T_V02
T_refInlet      -> Tu_S11
T_refNeph       -> T_S11
T_uMAC_degC     -> T_X1
V_uMAC_V        -> V_X1
WD              -> Wd_X3
WS              -> Ws_X3
```

```
BaC_A11  -> Bap_R_3W
BaL_A11  -> Bap_G_3W
BaO_A11  -> Bap_G
BaS_A11  -> Bap_B_3W
BbsB_S11 -> RefBbsp_B
BbsG_S11 -> RefBbsp_G
BbsR_S11 -> RefBbsp_R
BsB_S11  -> RefBsp_B
BsG_S11  -> RefBsp_G
BsR_S11  -> RefBsp_R
F_aer    -> Flags
N_N61    -> CN_control
P_S11    -> P_refNeph
Pd_P01   -> dp_Pitot_hPa
Pd_P11   -> dP_neph_imp_hPa
Pd_P12   -> dP_spare2
Q_Q11    -> Q_analyzer_lpm
Q_Q61    -> Q_CN_lpm
Q_Q62    -> Q_CNdrier_lpm
T_S11    -> T_refNeph
T_V01    -> T_Ambient
T_V02    -> T_pumpbox_degC
T_V51    -> T_Inlet
T_X1     -> T_uMAC_degC
Tu_S11   -> T_refInlet
U_S11    -> RH_refNeph
U_V01    -> RH_Ambient
U_V51    -> RH_Inlet
Uu_S11   -> RH_refInlet
V_X1     -> V_uMAC_V
Wd_X3    -> WD
Ws_X3    -> WS
```