

DM-PCV01-DEV

B2016

PCV01D

PID

Boiler

PIT01

PCV02D

Saturation Rate Limiter

F(.)

(P1)

P1-Pressure Control (PC)

Function

PP01A/PP01B

DM-PIT01

1001.3

1001.4

1001.1

TEST-AOUT

DM-PITOI

1001.2

DM-PIT01

DM-PP01-R

1001.2-OUT

1001.16-OUT

DM-PP01-R

1001.17-OUT

1001.10

1001.11

1001.17

1001.18

DM-PCV01-DEV

1001.19

1001.17-OUT

1001.7-OUTI

DM-PV01-Z

PV

PV

CP

1001.7

1001.8

DM-PCV01-Z

1001.08-OUT

1001.6

1001.7-OUT2

HMI

1001.09-OUT

1001.20-OUT

PV

PV

1001.5

1001.9

1001.20

1001.21

SP

CP

DM-PCV01-D

DM-PCV01-D

1001.22

1001.23

CP

GATEOPEN

GATEOPEN

DM-PCV02-D

HIL

1001.12

1001.13

1001.24

1001.13-OUT

DM-PIT01

1001.14-OUT

1001.15-OUT

1001.5-OUT

EWS

1001.14

1001.15

1001.16

CP

CP

FIGURE 9. CONTROL LOGIC FOR PRESSURE CONTROL OF THE BOILER