

Updated Tag Numbers and Descriptions

Temperature of CO2 feed from outside battery limits (Tag Number: TI101.PV 819)

Pressure of CO2 feed from outside the battery limits (Tag Number: PI101.PV 444)

Flow rate of the CO2 (Tag Number: FIC101.PV 721)

Setpoint for the flow rate of the CO2 (Tag Number: FIC101.SP 469)

Output to the valve to control the flow rate of CO2 in feed (Tag Number: FIC101.OP 837)

suction drum pressure of the 1st stage Compressor (Tag Number: PIC106.PV 499)

Setpoint for the flow rate of the CO2 (Tag Number: PIC106.SP 353)

Output to the valve to control the pressure in spill back line. (Tag Number: PIC106.OP 797)

Tag Number: LICv102.PV 856

Condensate Liquid level in suction drum (Tag Number: LICv102.PV 856)

Setpoint for the liquid level in the suction drum for the first stage compressor (Tag Number:
LICv102.SP 494)

Output to the valve to drain the liquid in case of process variable more than setpoint (Tag Number:
LICv102.OP 638)

Temperature of CO2 after 1st stage compressor (Tag Number: TI109 963)

suction drum pressure of the 2st stage Compressor (Tag Number: PIC113.PV 296)

Setpoint for the flow rate of the CO2 (Tag Number: PIC113.SP 28)

Output to the valve to control the pressure in spill back line. (Tag Number: PIC113.OP 447)

Condensate Liquid level in suction drum (Tag Number: LICv103.PV 94)

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Setpoint for the liquid level in the suction drum for the first stage compressor (Tag Number: LICv103.SP 802)

Output to the valve to drain the liquid in case of process variable more than setpoint (Tag Number: LICv103.OP 943)

Temperature of CO₂ after 2st stage compressor (Tag Number: TI115 669)

suction drum pressure of the 2st stage Compressor (Tag Number: PIC118.PV 553)

Setpoint for the flow rate of the CO₂ (Tag Number: PIC118.SP 453)

Output to the valve to control the pressure in spill back line. (Tag Number: PIC118.OP 931)

Condensate Liquid level in suction drum (Tag Number: LICv104.PV 142)

Setpoint for the liquid level in the suction drum for the first stage compressor (Tag Number: LICv104.SP 446)

Output to the valve to drain the liquid in case of process variable more than setpoint (Tag Number: LICv104.OP 342)

Temperature of fresh Hydrogen from electrolyzers (Tag Number: TI201.PV 483)

Pressure of the fresh hydrogen from electrolyzers (Tag Number: PI201.PV 127)

Flow rate of fresh hydrogen on main line for course (Tag Number: FIC201_1.PV 330)

setpoint fo the fresh hydrogen on main line for course (Tag Number: FIC201_1.SP 60)

Output to the control valve on the main line for course (Tag Number: FIC201_1.OP 180)

Flow rate of the fresh hydrogen on side line for grain (Tag Number: FIC201_2.PV 973)

Setpoint of the fresh hydrogen on side line for the grain (Tag Number: FIC201_2.SP 203)

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Output to the control valve on the side line for grain (Tag Number: FIC201_2.OP 518)

Temperature of the fresh CO₂ at the inlet of the 4th stage compressor (Tag Number: TI137.PV 466)

pressure at the suction of the 4 stage compressor (Tag Number: PIC123.PV 492)

setpoint to the controller at the compressor (Tag Number: PIC123.SP 192)

output to the control valve at the suction drum of the compressor (Tag Number: PIC123.OP 243)

Level of the liquid in the suction drum v105 (Tag Number: LICv105.PV 323)

setpoint to the liquid of the suction drum (Tag Number: LICv105.SP 602)

output to the control valve to drain the liquid (Tag Number: LICv105.OP 516)

Temperature of feed at the inlet of the suction drum of 5th stage compressor (Tag Number: TI126.PV 159)

pressure at the suction of the 5 stage compressor (Tag Number: PIC129.PV 935)

setpoint to the controller at the compressor (Tag Number: PIC129.SP 88)

output to the control valve at the suction drum of the compressor (Tag Number: PIC129.OP 622)

Level of the liquid in the suction drum v106 (Tag Number: LICv106.PV 787)

setpoint to the liquid of the suction drum (Tag Number: LICv106.SP 225)

output to the control valve to drain the liquid (Tag Number: LICv106.OP 366)

Flow rate of the feed to the reactor (Tag Number: FI136.PV 473)

Temperature of the feed rate to the reactor (Tag Number: TI136.PV 740)

Pressure of the fresh feed to the controller (Tag Number: PI501.PV 562)

Feed Flow to the reactor at the inlet of the reactor (Tag Number: FIC501.PV 640)

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Setpoint to the controller for the feed flow controller (Tag Number: FIC501.SP 209)

Output to the controller for the feed flow controller (Tag Number: FIC501.OP 954)

Temperature of the feed to the reactor (Tag Number: TI501.PV 720)

H2 percentage of the feed at the inlet of the reactor (Tag Number: AI501_H2.PV 339)

CO percentage of the feed at the inlet of the reactor (Tag Number: AI501_CO.PV 856)

CO2 percentage of the feed at the inlet of the reactor (Tag Number: AI501_CO2.PV 198)

Feed Temperature at the inlet of the reactor (Tag Number: TIC503.PV 630)

Setpoint for the feed temperature controller at the inlet of the reactor (Tag Number: TIC503.SP 530)

output signal to the valve on the feed temperature controller (Tag Number: TIC503.OP 956)

Feed Pressure at the inlet of the reactor (Tag Number: PI503.PV 590)

Reactor Temperature at the inlet stage 1 (Tag Number: T1r101_1.PV 403)

Reactor Temperature at the inlet stage 2 (Tag Number: T1r101_2.PV 798)

Reactor Temperature at the inlet stage 3 (Tag Number: T1r101_3.PV 449)

Reactor Temperature at the inlet stage 4 (Tag Number: T1r101_4.PV 32)

Reactor Temperature at the inlet stage 5 (Tag Number: T1r101_5.PV 225)

Reactor Temperature at the inlet stage 6 (Tag Number: T1r101_6.PV 946)

Reactor Temperature at the inlet stage 7 (Tag Number: T1r101_7.PV 266)

Reactor Temperature at the inlet stage 8 (Tag Number: T1r101_8.PV 316)

Reactor Temperature at the inlet stage 9 (Tag Number: T1r101_9.PV 820)

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Reactor Temperature at the inlet stage 10 (Tag Number: Tlr101_10.PV 464)

Feed Temperature at the outlet of the reactor (Tag Number: TIC505.PV 960)

setpoint for the reactor feed outlet control (Tag Number: TIC505.SP 178) Tag Number: TIC505.OP 19

output to the control signal for the reactor outlet feed temperature (Tag Number: TIC505.OP 19)

Flow rate of the water to the reactor inlet (Tag Number: FIC603.PV 351)

setpoint of the water flow to the reactor inlet (Tag Number: FIC603.SP 464)

output signal to the valve on the water flow to the reactor (Tag Number: FIC603.OP 455)

Temperature of the steam outlet from the reactor (Tag Number: TI604.PV 410)

Pressure at the steam drum of the heat recovery unit (Tag Number: PICv108.PV 840)

Setpoint for the steam drum at the heat recovery unit (Tag Number: PICv108.SP 125)

output signal for the steam drum pressure (Tag Number: PICv108.OP 679)

Level of the boiler feed water in the drum (Tag Number: LICv108.PV 389)

setpoint for the feed water level in the drum (Tag Number: LICv108.SP 455)

Output signal to maintain the level in the drum (Tag Number: LICv108.OP 656)

Flow rate of the steam outlet (Tag Number: FIC605.PV 822)

setpoint to the steam flow of the drum (Tag Number: FIC605.SP 835)

output signal to valve to maintain the flow (Tag Number: FIC605.OP 175)

Flow rate of the boiler make up water (Tag Number: FIC601.PV 360)

setpoint to the boiler make up water (Tag Number: FIC601.SP 928)

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output to the valve for the boiler makeup water (Tag Number: FIC601.OP 402)

Temperture of the boiler makeup water (Tag Number: TI601.PV 294)

Temperature of the steam outlet (Tag Number: TI605.PV 581)

Flow rate of the Purge Gas (Tag Number: FIC511.PV 458)

setpoint for the purge gas (Tag Number: FIC511.SP 530)

output signal to the purge gas control valve (Tag Number: FIC511.OP 31)

Recycle Compresor outlet pressure (Tag Number: FIC514.PV 497)

setpint to the recycle compressor outlet (Tag Number: FIC514.SP 561)

output to the control valve on spill back line for control (Tag Number: FIC514.OP 437)

HighPressureSeperatpr drum level (Tag Number: LICv109.PV 562)

setpoint to high pressure seperator (Tag Number: LICv109.SP 630)

output tot eh control valve to maitain the level (Tag Number: LICv109.OP 522)

HighPressureSeperator outler pressure (Tag Number: PIC512.PV 688)

setpoint to the seperator pressure control (Tag Number: PIC512.SP 689)

output to the control valve on the seperatot pressure (Tag Number: PIC512.OP 532)

Temperature of the recycle gas (Tag Number: TI510.PV 831)

percentage of hydrogen in recycle gas (Tag Number: AI510_H2.PV 262)

percentage co in recycle gas (Tag Number: AI510_CO.PV 298)

percentage of co2 in recycle gas (Tag Number: AI510_CO2.PV 577)

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Temperature of the effluent gas (Tag Number: TIC702.PV 180)

setpoint for the temperature of the effluent gas (Tag Number: TIC702.SP 811)

output to the controller to the valve of the gas (Tag Number: TIC702.OP 948)

Low pressure separator level (Tag Number: LICv110.PV 123)

setpoint to the level of the LPS controller (Tag Number: LICv110.SP 477)

output to the vessel control valve (Tag Number: LICv110.OP 386)

Tower pressure at the top (Tag Number: PIC801.PV 821)

Setpoint to tower pressure at the top (Tag Number: PIC801.SP 911)

output to the ejector to control the pressure (Tag Number: PIC801.OP 872)

Condenser Temperature (Tag Number: TICv111.PV 878)

setpoint to control the temperature of the condensate (Tag Number: TICv111.SP 973)

output to control the outlet of the condensate (Tag Number: TICv111.OP 829)

Level of the condensate in drum (Tag Number: LICv111.PV 237)

setpoint to the level of the condensate (Tag Number: LICv111.SP 716)

output to the condensate level valve (Tag Number: LICv111.OP 965)

Flow rate of the reflux line (Tag Number: FIC806.PV 736)

Setpoint of the reflux line (Tag Number: FIC806.SP 329)

output to the control valve in reflux line (Tag Number: FIC806.OP 650)

Flow rate of methanol product (Tag Number: FIC808.PV 891)

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setpoint to the methanol product (Tag Number: FIC808.SP 91)

output to the control valve for methanol product (Tag Number: FIC808.OP 243)

Temperature of the methanol product (Tag Number: TI808.PV 598)

Pressure of the condensor vessel (Tag Number: Plv111.PV 110)

flow rate of the waste water from column (Tag Number: FIC817.PV 208)

setpoint for the flow rate of the water from column (Tag Number: FIC817.SP 355)

output for the flow rate of the water (Tag Number: FIC817.OP 887)

Level of the bottoms in the tower (Tag Number: LICt101.PV 812)

setpoint of the bottoms (Tag Number: LICt101.SP 913)

output to the bottoms of the tank (Tag Number: LICt101.OP 298)

Temperature of the reboiler feed (Tag Number: TI809.PV 421)

Flow rate of the reboiler heat exchanger (Tag Number: FICe114.PV 961)

setpoint for the reboiler heat exchanger (Tag Number: FICe114.SP 635)

output to the control valve to flow (Tag Number: FICe114.OP 62)

Temperature of the distillate in the tower (Tag Number: TICt101.PV 302)

setpoint for the distillate temperature (Tag Number: TICt101.SP 78)

output for the distillate temperature (Tag Number: TICt101.OP 272)