

Code	Description
TT	Temperature transmitter
VA-LI	Actuated valve, liquid
XT	Transmitter
VA-GA	Actuated valve, gas
VA-EL-LI	Actuated valve, electrical-operated, liquid
VA-EL-GA	Actuated valve, electrical-operated, gas
VA-ESD-LI	Actuated valve, emergency service, liquid
VA-ESD-GA	Actuated valve, emergency service, gas
VE-LI	Pressure vessel, liquid
VE-LI-HP	Pressure vessel, liquid, High Pressure
VE-LI-LP	Pressure vessel, liquid, Low Pressure
VE-GA	Pressure vessel, gas
VE-GA-HP	Pressure vessel, gas, High Pressure
VE-GA-LP	Pressure vessel, gas, Low Pressure
COL-LT	Column/Contactor, Low Temperature
COL-HT	Column/Contactor, High Temperature
TA	Tank
HE-LI	Heat Exchanger, liquid/liquid-gas
HE-LI-LP	Heat Exchanger, liquid/liquid-gas, Low Pressure
HE-LI-HP	Heat Exchanger, liquid/liquid-gas, High Pressure
HE-GA	Heat Exchanger, gas/gas
HE-GA-LP	Heat Exchanger, gas/gas, Low Pressure
HE-GA-HP	Heat Exchanger, gas/gas, High Pressure
HC-LI	Air cooler, liquid
HC-LI-LP	Air cooler, liquid, Low Pressure
HC-LI-HP	Air cooler, liquid, High Pressure
HC-GA	Air cooler, gas
HC-GA-LP	Air cooler, gas, Low Pressure
HC-GA-HP	Air cooler, gas, High Pressure
BOIL	Boiler
BOIL-LP	Boiler , Low Pressure
BOIL-HP	Boiler , High Pressure
HM-INT	Electrical Heater, internal component
REA	Reactor, high temperature
FUR	Furnace/thermal reactor
CHI	Chiller (air/water)
PU	Pump
KG	Integral Gear Compressors
KZ	Miscellaneous compressors/blowers/ventilators
KA	Centrifugal compressors
KB	Reciprocating compressors (diaphragm)
KC	Screw/rotary compressors
KL	Axial compressors
HP	Cooling tower (induced draft)
KD	Blowers
KE	Fans

Code	Description
KP	Reciprocating compressor (piston)
PN	canned motor pump
PA	Centrifugal (horizontal or vertical in line)
PB	Reciprocating
GV	Circulating pump
PG	diaphragm pump
PV	Vacuum pump
PD	Metering pump
PC	Rotary/gear/screw/sliding vane
PH	Submersible pump with external driver
PS	Submersible pump with submersible motor
MS	Steam turbine
MT	Gas turbine
MD	Diesel engine
MG	Gas engine (internal combustion)
FA	Direct fired heater
FE	Cabin furnace
FF	Special furnace
FG	Water-tube boiler, fire-tube boiler, drum boiler
FJ	Incinerator (including thermo disposal equipment and evaporating candles)
FL	Economizer
FX	Burner
FY	Indirect fired heater
GD	Water Boiler/Heater
HD	Quench boiler/cooler
HE	Recovery boiler
HS	Water cooler
HT	Super heater
HW	Waste heat recovery unit
HM	Electric exchanger (not sanitary)
HN	Electric heating system applied to equipment
FR	Glycol regenerator
VA	Horizontal/Vertical pressure vessel (general)
VB	Expansion tank, Pressurizer, Compensation tank, Expansion vessel, Damper
VC	Extractor, Scrubber, Evaporator (Vessels, columns and reactors)
VD	Gas boot
VE	Column
VH	Deaerator/degasser/flash tank
VJ	Contact absorption equipment/Regenerator
VK	Dryer
VN	Knock out drum, gun barrel and scrubber
VQ	Slug catcher
VS	Production separator
VY	Horizontal and vertical vessel at atmosphere pressure
VO	Extractor, scrubber, evaporator
CF	Mechanical separator/screen/vibrating screen

Code	Description
VP	Test separator
VU	Desalted, electrostatic separator
HA	Exchanger Shell and Tube
HB	Plate exchanger Shell
HC	Air cooled exchanger
HF	Double pipe exchanger
HH	Printed circuit heat exchanger
HK	Finned or not finned tube exchanger without shell
HQ	Cooling tower (natural draft)
HX	Spiral heat exchanger
HY	Cryogenic heat exchanger
HZ	Miscellaneous heat transfer equipment
EG	Electric generators (AC or DC)
MW	Aero Generator
FS	FLOW SWITCH
FSH	FLOW SWITCH HIGH
FSHH	FLOW SWITCH HIGH HIGH
FSHL	FLOW RATE SWITCH HIGH LOW
FSL	FLOW RATE SWITCH LOW
FT	FLOW TRANSMITTER
LDT	LEVEL DIFFERENTIAL TRANSMITTER
LG	LEVEL GLASS GAUGE
LSH	LEVEL SWITCH HIGH
LSHH	LEVEL SWITCH HIGH HIGH
LSHL	LEVEL SWITCH HIGH LOW
LSL	LEVEL SWITCH LOW
LSLL	LEVEL SWITCH LOW LOW
LT	LEVEL TRANSMITTER
PDT	PRESSURE DIFFERENTIAL TRANSMITTER
PSH	PRESSURE SWITCH HIGH
PSHH	PRESSURE SWITCH HIGH HIGH
PSHL	PRESSURE SWITCH HIGH LOW
PSL	PRESSURE SWITCH LOW
PSLL	PRESSURE SWITCH LOW LOW
PT	PRESSURE TRANSMITTER
TDT	TEMPERATURE DIFFERENTIAL TRANSMITTER
TS	TEMPERATURE SWITCH
TSH	TEMPERATURE SWITCH HIGH
TSHH	TEMPERATURE SWITCH HIGH HIGH
TSHL	TEMPERATURE SWITCH HIGH LOW
TSL	TEMPERATURE SWITCH LOW
TSLL	TEMPERATURE SWITCH LOW LOW
AT	ANALYSIS TRANSMITTER
EC	Control boards (e.g. EMS, LLS, etc.)
EJ	Interconnecting panels, Junction boxes
EL	Auxiliary Service Panel (ASP), Lighting, Small Power, tracing distribution boards

Code	Description
ER	Electrical Power Unit (EPU)
ES	Motor Driver panel (e.g. VFD, VSD, Soft-Starter, etc.)
JI	Master Control Station (MCS)
JP	Pneumatic and/or hydraulic Control panel, any Local Control Panel
JQ	I/O Remote cabinet
JT	Junction box
JW	Well head Control Panel
FCM	Flow Control Module
JE	Safety integrated System (SIS), Emergency shutdown (ESD)equipment
JG	Power Distribution Panel for control or safety equipment
JH	High Integrity Protection Pressure System (HIPPS)
JL	Safety (ESD /F&G) Unit Control Panel (UCP-S), Package Safety System (PLC based, or Relays based)
JU	Extinguishing gas panel, Deluge panel, Firefighting panel
JX	Flare ignition panel
JK	Process or Generic Unit Control Panel (UCP-C), Package Control System (PLC based, or Relays based)
JD	Process Control System (PCS)/ Distributed Control System equipment (DCS)
R*	Manual Valve
RB	Ball valve
UV	ON/OFF (NOT SAFETY) VALVE
RF	Butterfly valve
RC	Check valve
RD	Diaphragm valve
RG	Gate valve
MOV	MOTOR OPERATED VALVE
RA	Globe valve
FCV	FLOW RATE CONTROL VALVE
FV	FLOW VALVE
LCV	LEVEL CONTROL VALVE
LDCV	LEVEL DIFFERENTIAL CONTROL VALVE
LV	LEVEL VALVE
PCV	PRESSURE CONTROL VALVE
PDCV	PRESSURE DIFFERENTIAL CONTROL VALVE
TCV	TEMPERATURE CONTROL VALVE
TDCV	TEMPERATURE DIFFERENTIAL CONTROL VALVE
TV	TEMPERATURE VALVE
PSV	PRESSURE SAFETY VALVE
PVSV	PRESSURE VACUUM SAFETY VALVE
US	HIPPS
UT	SSIV Module
SSSV	SUBSURFACE SAFETY VALVE
BDV	BLOW DOWN VALVE
ESDV	EMERGENCY SHUTDOWN VALVE
PSDV	PRODUCTION SHUTDOWN VALVE
SDV	SHUT DOWN VALVE
SSV	SURFACE SAFETY VALVE
SCSSV	Surface Controlled Subsurface Safety Valve

Code	Description
SSCV	SUBSURFACE CONTROL VALVE
SSIV	SUBSEA ISOLATION VALVE
HFL	Hydraulic/Chemical flying lead
EFL	Electrical flying lead
EHFL	Electro-Hydraulic Flying Lead
EOFL	Electro-Optic Flying Lead
OFL	Optic Flying Lead
MPFL	Multi-Purpose Flying Lead
UJ	Dynamic Umbilical
UK	Static Umbilical
UL	Integrated Pipeline Umbilical
EB	Accumulator Batteries
JF	Safety integrated System (SIS), Fire and Gas detection equipment, Fire Adressable Control Panel (FACP)
BE	FLAME DETECTOR
CN	Active carbon filter
CK	Basket Strainer
CM	Sand filter/"Dual media" filter
CA	Regenerative filter
CL	Cartridge filter
CY	Miscellaneous filters
GC	Specific filters for H.V.A.C.
GY	Chemical filter scrub
CQ	Coalescence filter and separator
CE	Static mixer
CJ	Mixer/Agitator (motorized)
GL	UV type sterilizer (for water), Water softener and Demineraliser
ET	Transformers and autotransformers
EM	MCC switchgears
EH	Medium Voltage switchgears
TB	Atmospheric storage tank, cylindrical (floating roof)
TC	Atmospheric storage tank, not cylindrical
TD	Spherical or spheroid tank
TE	Bin bulk storage
TG	Silos
TH	Drainage separator basin
TJ	Diaphragm Tank
TF	Cylinder storage tank (above and underground)
ML	Turbo-expander
ED	DC UPS (Direct Current Panels - DCP)
EK	AC UPS
UE	Oil Production Xmas Tree
UF	Gas Production Xmas Tree
UG	Water Injection Xmas Tree
UH	Gas Injection Xmas Tree
UI	WAG Injection Xmas Tree
SCK	Subsea Choke Module

Code	Description
CITV	Chemical Injection Throttle Valve
DCITV	Dual Chemical Injection Throttle Valve
PMV	Production Master Valve
PWV	Production Wing Valve
UPMV	Upper Production Master Valve
AVV	Annulus vent valve
XOV	Crossover Valve
SCM	Subsea Control module
UM	Subsea Distribution Unit
UO	Gas Production Manifold / PLEM
UN	Oil Production Manifold / PLEM
UP	Water Injection Manifold / PLEM
UQ	Gas Injection Manifold / PLEM
UR	WAG Injection Manifold / PLEM
DW	Well-head and Christmas tree manifold
UY	Subsea Pump Module
ESP	Electrical Submersible Pump
UU	Multiphase Pump