

ABBREVIATED PIPING TERMS

Used on
 1 PFD & P&ID
 2 Piping arrangements
 3 Isometrics & MTO

Origineel

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Note:

geen eenheden, afsluiters
 ORDERING NOTES

Excluding mentioned is ISA

(keuze vrijheid bij gebruik van punten)

AG Above ground
 ABS Absolute
 ACC According
 ASSY Assembly
 ATM Atmosphere
 AUX Auxiliary
 AVG Average

 BL Battery limit
 Beam
 B&B Bell and bell
 B&S Bell and spigot
 Beveled
 BOM Bill of material
 BLD Blind
 BD Blow down
 BC Bolt circle
 BB Bolted bonnet
 Bottom
 BF Bottom flat
 BOB Bottom of base plate
 BOC Bottom of concrete
 BOP Bottom of pipe
 BOS Bottom of steel
 Branch
 BW Butt weld
 Bypass

 CSO/C Car seal (open or closed)
 CP Cathodic protection
 Ceiling
 Celsius
 CTR Center
 CG Center of gravity
 C-C Center to center
 C-F Center to face
 CL Centerline
 CLR Centerline radius
 Centigrade
 Chain operated
 Chain wheel operator
 Chemical cleanout
 CO Cleanout
 Cold cut, plugged & flanged
 COL Column
 CONC Concentric

Comprimo	Lamit 1970	PIP 2014	Fluor	Amec 1995	Piping guide	KH 2012	Vomi	TCC 2002	ECS 2002	P3D
		AG							ABS	
					ACC					
	ASSY			ASSY						
ATM	ATM	ATM		ATMOS			ATM			
AUX	AUX									
AVG				AVG						
BL		BL					BL			
B&B	BM									
B&S	B&B									
	B	B&S			BLVD					
BOM	B/M	BOM	BOM of B/M	B/M		BOM				
BLD		BLD								
BD	BD	BD								
BC	BC	BC	BC	BC	BC				BC	
BB		BB								
		BTM								
BF	BF	BF		BF		BF			BF	
BOB			BOB				BOB		BOB	
BOC	BOC									
BOP	BOP	BOP	BOP	BOP	BOP	BOP	BOP		BOP	
BOS	BOS					BOS			BOS	
									BR	
BW	BW	BW	BYP	BW	BW	BW	BW		BW	
CSO/C	CSO/C		CSO/C							
CP							CP	CP		
				CLG						
					C				C	
CTR	CTR	CTR			CTR					
CG				CG						
C-C	C to C	C-C		C to C						
C-F				C to F						
CL	CL	CL	CL	CL			CL		CL	
CLR		CLR								
					CENT					
	CH OP	CH-O		CH OP	CH OP		CH OP			
			CWO							
			CC							
CO	CO	CO		CO						
				CPF						
COL	COL			COL						
CONC	CONC	CONC	CONC	CONC		CONC	CONC		CONC	

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COND	Condensate					COND		COND			
CONN	Connection	CONN	CONN	CONN	CONN				CONN		CONN
CW	Continuous welded			CW							
CONT	Continuation		CONT		CONT			CONT			
CONTR	Contractor					CONTR					
COORD	Coordinate					COORD					
CA	Corrosion allowance			CA							
	Corrugated					CORR					
DEG	Degree		DEG	DEG			DEG	DEG			DEGR
DP	Design factor			DF							
DT	Design pressure			DP		DES PRES				DP	
DIA	Design temperature			DT						DT	
	Diameter	DIA	DIA	DIA	DIA	DIA	DIA	DIA	DIA		DIA
	Diameter nominal (metric)			DN							
	Differential pressure			D/P							
DISCH	Discharge	DISCH	DISCH					DISCH	DISCH		
	Double disk		DD								
	Double jacket										
DR	Drain	D		DRN	D	DR		DR	DJ		
	Drain connection		DC						D		
	Drain funnel		DF			DF					
	Drop weight tear			DWT							
EA	Each		EA	EA		EA					
ECC	Eccentric	ECC	ECC	ECC	ECC	ECC		ECC	ECC		ECC
EFW	Electric fusion weld		EFW	EFW			EFW				EFW
ERW	Electric resistance welded		ERW	ERW			ERW				ERW
EL	Elevation (height)	EL	EL	EL	EL	EL		EL	ERW		EL
ELEV	Elevation (view)		ELEV		ELEV	ELEV			EL		
ELLIP	Elliptical			ELLIP							
ESD	Emergency shutdown			ESD							
EQ	Equal			EQ							
EXIST	Existing		EXIST			EXIST.					
	Expansion					EXP					
	Expansion joint					EXP JT					
EB	Extended bonnet			EB							
	Weld joint factor										
FAB	Fabricated	FAB	FAB		FAB				FAB		
FOF	Face of flange				FOF			FOF			
F-F	Face to face	F to F		F-F		F to F			F to F		
FD&SF	Faced, drilled and spot-faced						FD&SF				
FO / C	Failure open/closed							FO/C			
F	Female					F					F
	Female national (taper) pipe threads			FNPT							
	Female pipe taper										
FFW	Field fit-up weld			FFW	FFW						
FW	Field weld	FW	FW	FW	FW	FW		FW	FW		FW
FMU	Fitting make-up			FMU							
FEF	Flange to existing flange				FEF						
	Flanged						FLGD				
	Flanged both ends			FBE							

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	Flanged end							FE			
	Flanged large ends			FLE							
	Flanged one end			FOE							
	Flanged smal end			FSE							
FF	Flat face	FF	FF	FF	FF	FF	FF	FF	FF		FF
FOB	Flat on bottom		FOB	FOB			FOB				
FOT	Flat on top			FOT			FOT				
FLEX	Flexible			FLEX		FLEX					
FL	Floor		FL			FL					
	Flushing out						FO				
FB	Full bore							FB			
FP	Full port			FP	FP						
	Full vacuum			FV							
	Gasket			GSKT							
	Gasket joint bonnet								GJB		
	Gauge			GA							
GO	Gear operated		G OP	GO	GO				G.OP		
GR	Grade	GR	GR	GR		GR	G		GR		GR
	Groove		GRV								
	Groove both ends			GBE							
	Groove end			GE							
	Groove large end			GLE							
	Groove one end			GOE							
	Groove small end			GSE							
	Ground joint		GR JT	GJ							
GRD	Ground(ed)		GRD	GRND					GRD		
HH	Hand hole										
HW	Handwheel			HW	HW						
HF	Hard faced		HF	HF							
HD	Head			HD							
HDR	Header		HDR	HDR	HDR						
HAZ	Heat affected zone			HAZ						HAZ	
HT	Heat tracing / treatment				HT						
HEX	Hexagonal		HEX	HEX		HEX	HEX		HEX		HEX
HP	High pressure			HP				HP		HP	
HPT	High(est) point			HPT		HP					
HOR	Horizontal		HOR	H	HOR		H	HOR	H		HOR
	Hose connection	HC	HC						HC		
	Hose station	HS							HS		
H&S	Hub & spigot	H&S							H&S		
	In-line inspection			ILI							
IN	Inch	IN	IN	IN	" or IN.	IN			IN		
ISBL	Inside battery limit			ISBL							
ID	Inside diameter	ID	ID	ID	ID	ID	ID	ID	ID		ID
	Inside screw (valve)						IS				IS
IS&Y	Inside screw and yoke						IS&Y				IS&Y
	Inside screw rising stem			ISRS							
INS	Insulation	INS		INS	INS	INS		INS	INS		INS
IPS	Iron pipe size		IPS			IPS	IPS				IPS
	Jacketed										JAC

					Origineel								
	Joint									JT			
	Joint efficiency			JE								JT	
	Joule thompson												
KO	Knock out											KO	
LJ	Lap joint			LJ						LJ			
LW	Lap weld		LW										
LAT	Lateral				LAT								
LOA	Lenght over all					LOA							
LG	length/long					LG		L		LG			
LO/C	Locked open/closed	LO/C	LO/C		LO/C	LO/C		LO/C		LO/C			
LR	Long radius	LR	LR		LR	LR				LR		LR	
LTE	Long tangent elbow			LTE									
LWN	Long welding neck			LWN									
LP	Low pressure			LP	LP			LP				LP	
LPT	Low(est) point			LPT									
LBS / LB	Pounds		LBS										
M&F	Male & female		M&F	MxF		M&F							
MAOP	Maxium allowable operating pressure			MAOP									
MAWP	Maxium allowable working pressure			MAWP									
MFR	Manufacturer		MFG	MFG		MFR	MFR					MFR	
MH	Man hole					MH							
M	Male					M						M	
MJ	Mechanical joint	MJ		MJ						MJ			
ML	Make-up length	ML								ML			
MOP	Maxium operating pressure												
MTO	Material take off			MTO	MTO					MTO			
MWP	Maximum working pressure											MWP	
MW	Mitre weld		MW	MW		MW							
MAT	Material		MATL	MTL	MATL	MATL	MATL	MAT				MAT	
MK	Mark				MK	MK							
MISC	Miscellaneous		MISC	MISC	MISC			MISC					
MB	Mitre bend	MB								MB			
NPTF	National (taper) pipe thread Female					NPTF							
NPTM	National (taper) pipe thread Male												
NPT	National pipe thread	NPT	NPT	NPT		NPT		NPT		NPT		NPT	
NS	Near side				NS								
NE	New to existing				NE								
NB	Nominal bore											NB	
NPS	Nominal pipe size		NPS	NPS	NPS								
	Nominal pipe thread				NPT								
NRS	Non rising stem		NRS	NRS			NRS			NRS		NRS	
NDE / T	Non-destructive examination / testing												
NC / O	Normally closed / open	NO/C	NO/C		NO/C	NO/C	NO/C			NO/C		NO/C	
N/A	Not applicable											N/A	
NTS	Not to scale	NTS	NTS	NTS		NTS		NTS					
OPR	Operate				OPR	OPER							
	Orifice			ORIF		ORIF							
OSBL	Outside battery limit	OSBL		OSBL						OSBL			

					Origineel						
OD	Outside diameter	OD	OD	OD	OD	OD	OD	OD	OD	OD	OD
	Outside screw						OS			OS	OS
OS&Y	Outside screw and yoke		OS&Y	OS&Y		OS&Y	OS&Y		OS&Y		OS&Y
PIV	Post indicator valve			PIV							
PLT	Plate		PL	PL				PLT			PLT
PLAT	Platform				PLAT	PLAT					
PN	Plant north										
PP	Personal protection		P					PP	PP		
PSI (A/G)	Pounds per square inch (absolute or gauge)		PSI (A/G)	PSI (A/G)		PSI (A/G)	PSI (A/G)				PSI (A/G)
P-T	Pressure temperature										
PWHT	Postweld heat treatments			PWHT						PWHT	
PMS	Piping material specification			PMS							
	Pipe tap				PT						
PRESS	Pressure		PRESS	PRESS	PRESS			PRESS	PRESS		
PLGD	Plugged					PLGD					
PL.EL	Platform elevation							PL.EL			
PS	Pressure seal								PS		
R	Radius	R		RAD		R		R			
RF	Raised face	RF	RF	RF	RF	RF	RF	RF	RF		RF
RFSF	Raised face smooth finish				RFSF						
RL	Random length	RL	R/L						RL		RL
	Rating			RAT							
	Reduced bore							RB			
	Reduced port			RP							
RED	Reducer	RED	RED	RED	RED	RED	RED	RED			RED
REINF	Reinforced				REINF	REINF		REINF			REINF
	Reinforcerd pad			REPAD							
REQD	Required		REQ'D	REQD	REQD	REQD					
	Restriction orifice										
REV	Revision		REV	REV	REV	REV		RO			
RJ	Ring joint			RJ	RJ		RJ	REV			
	Ring type bonnet										
RTJ	Ring type joint		RTJ			RTJ		RTJ	RJB		
RS	Rising stem		RS	RS			RS		RTJ	RTJ	RTJ
RA	Roughness average			RA					RS		RS
RND	Round								RND		
SC	Sample connection	SC	SC					SC	SC		
SCH	Schedule	SCH	SCH	SCH	SCH	SCH	SCH	SCH	SCH		SCH
SCRD	Screwed	SCRD	SCRD	SCRD	SCRD	SCRD	SCRD	SCRD	SCRD		SCR'D
SCR	Screwed ends		SCR								
SMLS	Seamless	SMSL	SMSL	SMSL	SMLS	SMLS	SMLS	SMLS	SMLS		SMLS
	Seat			ST							
SECT	Section					SECT					
SR	Short radius	SR	SR	SR	SR		SR	SR	SR		SR
SRL	Single random length										
	Sleeve		SLV								
	Small bore			SB							
SOC	Socket				SOC		SKT				
SW	Socket weld	SW	SW	SW	SW	SW	SW	SW	SW		SW
SJ	Solder joints		SJ								

					Origineel						
SLD	Solid								SLD		
	Spacer										
SPEC	Specification	SPEC	SPEC	SPA		SPEC		SPEC	SPEC		
	Spiral wound			SPEC							
	Spot-faced			SP-WD							
	Spring		SPG				SF				
SQ	Square			SQ	SQ						
STD	Standard		STD	STD	STD	STD	STD	STD	STD		STD
SDR	Standard dimensional ratio			SDR							
STM	Steam		STM	STM		STM	STM	STM			ST
STR	Structural					STR					
STDB	Stud bolt							STDB			
TW	Tack weld or Thermowell			TW				TW	TW		TW
TAN	Tangent		TAN	TAN		TAN	TGT				
TL	Tangent line			TL							
T-T	Tangent to tangent			T-T							
TEMP	Temperature		TEMP	TEMP	TEMP			TEMP	TEMP		TEMP
TP	Test pressure			TP						TP	
THK	Thickness, Thick			THK	THK	THK					THK
THRD	Thread, Threaded		THD	THRD	THD	THD		THR			
T&C	Threaded & coupled		T&C	T&C	T&C	T&C	T&C		T&C		
	Threaded by socketweld			T/SW							
	Tilting disk								TD		
T&G	Tonque & groove		T&G	T&G	T&G	T&G					
TF	Top flat					TF					TF
TOC	Top of concrete		TOC	TOC	TOC			TF			TOC
TOF	Top of finished floor				TOF			TOC			
TOG	Top of grating or grout			TOG	TOG						
TOP	Top of pipe		TOP								
TOS	Top of steel / support		TOS			TOS	TOS	TOS			TOS
TN	True north										
TYP	Typical		TYP	TYP	TYP	TYP	TYP	TYP			TYP
UG	Underground			UG							
US	Underside steel										US
	Union bonnet			UB					UB		
	Utility connection	UC						UC	UC		
	Utility station							US			
V	Vent				V			V	V		
VERT	Vertical		VERT	V	VERT	VERT	V	VERT	V		VERT
WT	Wall thickness	WT		WT		WT		WT	WT		WT
WOG	Water oil gas		WOG	WOG		WOG					
WGT	Weight		WT		WT		WOG				
WE	Weld end		WE	WE			WGT				
WLD	Weld(ed)	WLD	WLD						WE		WLD
WPB	Weldable, pressure, Grade-B								WLD		
WB	Welded bonnet		WB	WB							
W/	With		W/	W/	W/	W/					
W/O	Without			W/O		W/O					
WP	Working point	WP	WP	WP			WP	WP	WP		WP

[illegible]

Origineel

One end bevelled
One end plain
One end threaded
Small end bevelled
Small end plain
Small end Threaded

OEB
OEP
OET
SEB
SEP
SET

Fittings

Blind flange	BF	BF	BF	BLD FLG	BLD FLG			BF	
Bushing		BUSH							
Coupling	CPLG	CPLG	CPLG	CPLG	CPLG		CPLG		
Elbow	ELB	ELL	ELL	ELL	ELL	ELL	ELB	ELB	EBW
Flange	FLG	FLG	FLG	FLG	FLG	FLG	FLG	FLG	FLG
Fitting	FTG	FTG	FTG	FTG	FTG			FTG	
Lap joint							LJ		LJ
Nipple			NIPP	NIP			NIPP	NIP	
Slip-on (flange)									SO
Slip on	SO	SO	SO	SO	SO	SO		SO	
Nozzle	NOZZ	NOZ	NOZ		NOZ			NOZZ	
Swage(d)	SWG	SWG	SWG		SW	SWG	SWG	SWG	SWG
Swage nipple						SWG.NIPP			
Slip-on flange							SO.FLG		
Weld neck flange	WN	WN	WN	WNK	WN		WN	WNF	WN
Plug								PLG	
Reducing flange	RED FL							RED FLG	
Union								UN	
Elbolet		ELB	EOL	EOT					
Elbolets									ELET
Latrolet				LOT					LLET
Nipolet				NOL					NLET
Sockolet		SOL	SOL	SOL					SLET
Thredolet				TOL					TLET
Weldolet			WOL	WOL					
Lap flange	LF								

Materials

Aluminium	AL
All iron	AI
Alloy	ALY
Azimuth	AZ
Bronze	BR
Brass	BRS

Origineel											
CAS	Cast alloy steel		CAS			CAS					
CI	Cast iron	CI	CI	CI	CI	CI	CI		CI		
CS	Carbon steel	CS	CS	CS	CARB ST, CS	CARB STL			CS		CS
	Cast steel		CS			CS					
	Carbon equivalent									CE	
	Copper		Cu								
	Ductile iron		DI	DI					DI		
FRP	(glass) Fibre reinforced pipe						FRP				FRP
	Fiberglass reinforced plastics			FRP							
FS	Forged steel	FS	FS	FS		FS	FS				
GALV	Galvanized	GALV	GALV	GALV		GALV	GALV		GALV		GALV
	Glass reinforced plastics			GRP							
	Killed carbon steel			KCS							
MI	Malleable iron	MI	MI	MI		MI	MI		MI		MI
SS	Stainless steel	SS	SS	SS	SS	SS	SST	SS	SS		SS
	Steel	STL	STL	STL	STL				STL		
	Wrought iron	WI				WI			WI		
	Chromium		Cr								
	Nickel		Ni								
	Nickel copper alloy		NiCU								
	Chrome-molybdenum	CR MO									
	Chrome nickel	CR NI									