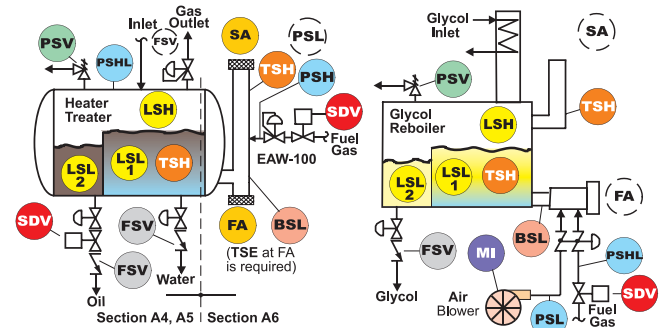
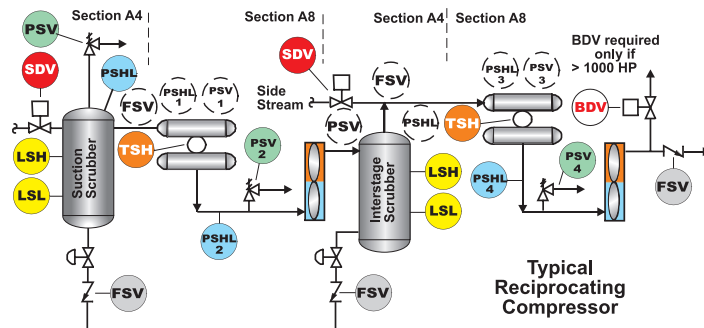


A.6 FIRED & EXHAUST HEATED COMPONENTS



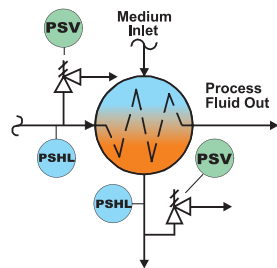
Section	Component	SIFs
TSH-Medium	A.6a.1 - TSH installed.	FSL
	A.6a.2 - Component is a steam generator protected by a PSH and, if fired, by an LSL.	MI
	A.6a.3 - Component is an indirect water bath heater in atmospheric service and has an LSL.	FA
TSH-Stack	A.6b.1 - TSH installed.	FA
	A.6b.2 - Component is isolated & does not handle combustible medium or process fluids other than fuel.	FA
TSH-Air	A.6d.1 - PSL installed.	SA
	A.6d.2 - Component is equipped with a natural draft burner.	SA
PSH	A.6e.1 - PSH installed.	PSV
	A.6e.2 - Component is exhaust heated w/o supplemental firing.	PSV
PSL-Fuel	A.6f.1 - PSL installed.	FSV
	A.6f.2 - Component is equipped w/ a natural draft burner.	FSV
BSL	A.6g.1 - BSL installed.	BSL
	A.6g.2 - Component is exhaust heated w/o supplemental firing.	BSL

A.8 COMPRESSORS



Disch PSL Suct	Disch PSH Suct	Discharge PSV	TSH FSV
A.8a.1 - PSH installed. A.8a.2 - Each input source is protected by a PSH that will also protect the compressor. A.8b.1 - PSH installed. A.8b.2 - Compressor is protected by a downstream PSH, located upstream of cooler and can't be isolated from the compressor. A.8c.1 - PSL installed. A.8c.2 - Each input source is protected by a PSL that will also protect the compressor.	A.8e.1 - PSV installed. A.8e.2 - Input(s) have a PSV that will also protect the compressor. A.8f.1 - PSV installed. A.8f.2 - Comp. is protected by a downstream PSV, located upstream of cooler & can't be isolated from the compressor. A.8f.3 - Compressor is kinetic energy type and incapable of generating a pressure > MAWP of the compressor or discharge piping.	A.8g.1 - FSV installed. A.8h.1 - TSH installed (each discharge cylinder).	

A.10 HEAT EXCHANGERS



PSH	A.10a.1 - PSH installed.	PSH	relief requirement of heat exchanger & can't be isolated from heat exchanger.
	A.10a.2 - Input(s) to heat exchanger can't develop pressure > MAWP of heat exchanger.		A.10c.5 - Deleted in 4th Edition
	A.10a.3 - Input(s) have a PSH that also protects the heat exchanger section.		A.10c.6 - Input(s) to heat exchanger can't develop pressure > MAWP of heat exchanger & the heat exchanger can't be overpressured due to temp or press in the other section.
	A.10a.4 - A PSH is installed on a downstream component & can't be isolated from heat exchanger by block or regulating valves.		A.10c.7 - Input(s) have a PSV set no higher than MAWP on heat exchanger & heat exchanger can't be overpressured due to temp or press in other section.

TSE GUIDE, Ref. Table C-1

FUSIBLE PLUG (TSE) GUIDE	
WELLHEAD - 1 each	HEADERS - 2 Min., 1 per 10 ft
PRESSURE VESSELS and HEATED VESSELS	
Vertical 1 Min.; 5 Max. 1 per 12" of OD	Horizontal < 48" OD, 2 Min. 1 each per 5 ft. lgth. Horizontal > 48" OD, 4 Min. 2 each per 5 ft. lgth., in 2 parallel rows.
Heated Vessels; Additional 1 per FA on inlet(s)	
ATMOSPHERIC VESSELS:	
1 on process inlet, outlet, & hatches	
Heat Exchangers (Shell & Tube): 1 on each end, 2 Min.	
PUMPS:	COMPRESSORS:
Recip. -1 over rod packing Centrif. -1 per packing box	Recip. -1 over each cylinder Centrif. -1 over comp. case
ENGINES:	
Spark ignition -1 over ea. carburetor or fuel injection valve Turbines -1 ea for fuel solenoid, Gov. Valve, & PTO Pump Diesel -1 for injector pump	

COMPONENT IDENTIFICATION

Letter	Component	Letter	Component	Letter	Component
A	Atmospheric	AA	Bidirectional	BA	Process
B	Heated Atmos	AB	Blowcase	BB	Pump
C	Compressor	AC	Boiler	BC	Reboiler
D	Enclosure	AD	Coalescer	BD	Separator
E	Fired Comp.	AE	Compressor	BE	Service
F	Flowline	AF	Control Unit	BF	Scrubber
G	Header	AG	Control Unit	BG	Shell-Tube
H	Heat Exchng	AH	Departing	BH	Sump
J	Injection Line	AJ	Filter	BJ	Tank
K	Pipeline	AK	Filter-Sep	BK	Treater
L	Platform	AL	Forced Draft	BL	Vol.Bottle
M	Pressure	AM	Free WKO	BM	Water Treat
N	Heated	AN	Generator	BN	Exhst Heat
P	Pump	AP	Heater		
Q	Wellhead	AQ	Incoming	AX	Pipeline
Z	Other	AR	Injection Gas	AY	Production
		AS	Gas Inj.	AZ	Hydrocarbon
		AT	Water Inj.		
		AU	Meter		
		AV	Meter Vessel		
		AW	Nat. Draft		

TESTING FREQUENCY

WEEKLY Once every 7 days (no more than 13 days between test)
Fire Pump
Wellhead SSV's, USV's, & FSV's - Leakage test req'd.
SDV's on process equipment - stroke test only
Pneu / Elect. PSHL & LSHL - trip point
ESD
QUARTERLY (Every third calendar month):
ASH, USH, YSH,
Elect. Transmitter- PSHL & LSHL
Note: special conditions apply for PSHL & LSHL's
SEMI-ANNUAL (no more than 180 days between test):
Wellhead SSSV, Tubing Plug, Injection Valves, and
SSCSV-not installed in Landing Nipple, Compressor TSH's
ANNUAL (Every calendar year):
All PSV's
Wellhead SSSV- installed in Landing Nipple,
Heated Equip TSH, BSL, FSL, FSH, TSL



INC BUSTER

A Guide to Offshore Safety Systems from API RP 14C

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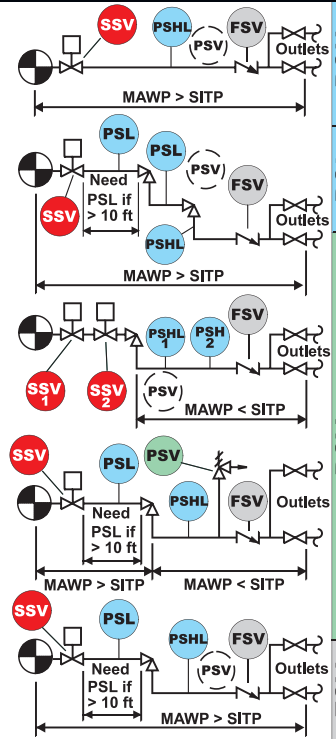
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10777 Westheimer, Suite 700 Houston, Texas 77042 (713) 977-2947	1819 W. Pinhook Rd., Suite 101 Lafayette, Louisiana 70508 (337) 269-5900	3900 N. Causeway Blvd., Suite 700 Metairie, Louisiana 70002 (504) 455-0858

1-504-455-0858

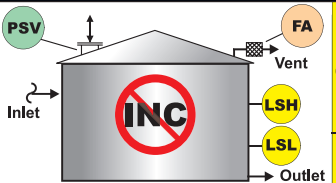
INDUSTRIAL & INTERNATIONAL

Ohio Australia Luanda India

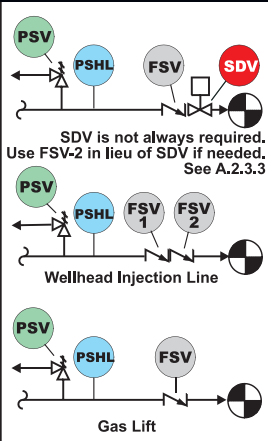
A.1 FLOWLINE SEGMENTS



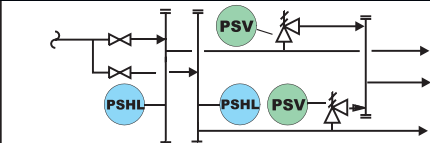
A.5 ATMOSPHERIC VESSELS



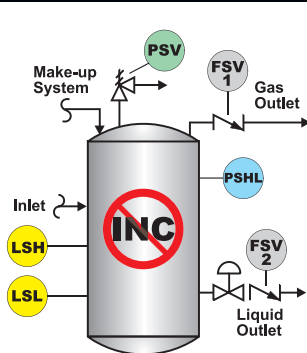
A.2 WELLHEAD INJECTION LINES



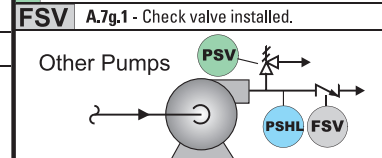
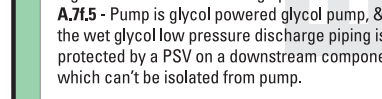
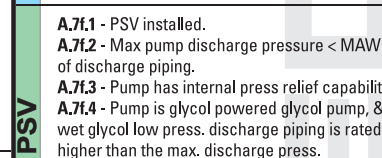
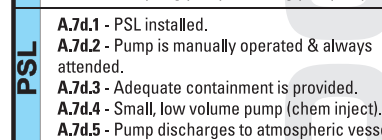
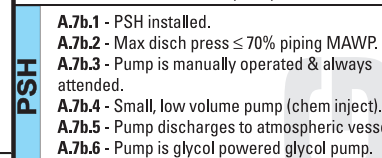
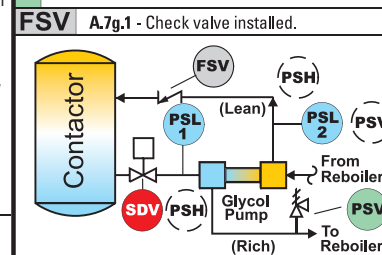
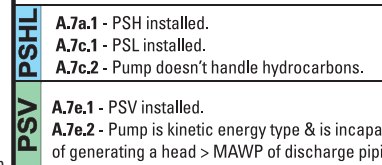
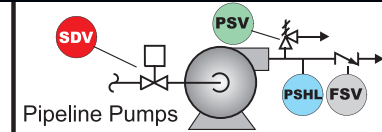
A.3 HEADERS



A.4 PRESSURE VESSELS



A.7 PUMPS



A.9 PIPELINES

