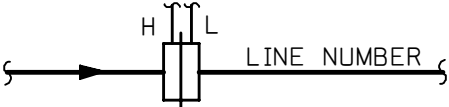


1.

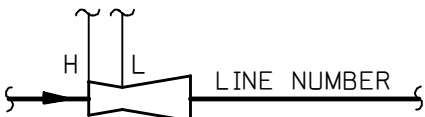


MARK NO.	FE
BORE	

FLOW ELEMENT:
ORIFICE PLATE

01500F

2.

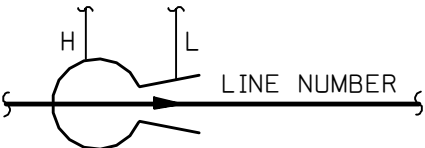


MARK NO.	FE
BORE	

FLOW ELEMENT:
VENTURI TYPE

01500G

3.

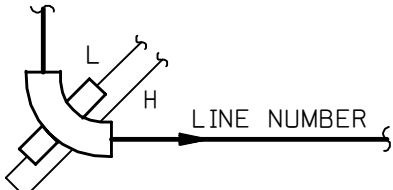


MARK NO.	FE
BORE	

FLOW ELEMENT:
NOZZLE TYPE

01500I

4.

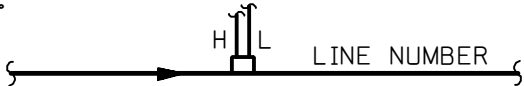


MARK NO.	FE
BORE	
RADIUS	

FLOW ELEMENT:
CALIBRATED ELBOW

01500J

5.

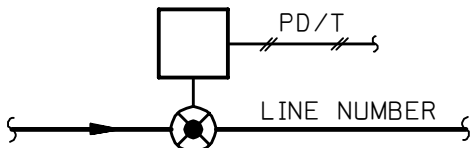


MARK NO.	
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FLOW ELEMENT:
'ANNUBAR' TYPE

01500H

6.

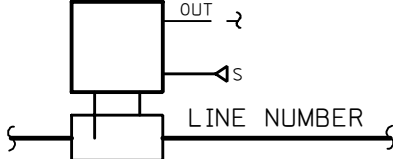


MARK NO.	
SIZE	

FLOW INSTRUMENT:
PD : POSITIVE DISPLACEMENT
METER.
T : TURBINE METER

01500E

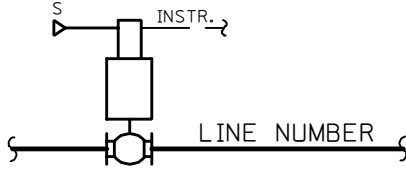
7.



TRANSMITTER WITH
INTEGRAL ORIFICE

01500D

8.

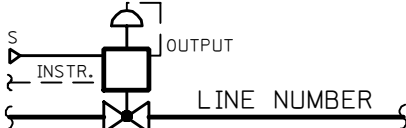


MARK NO.	
SIZE/RATING	
A.F. ACTION	
HOOK UP	DWG. AB-036560

PISTON OPERATED BALL
VALVE WITH POSITIONER,
SWITCHING VALVES AND
VOLUME TANK.

01500C

9.



MARK NO.	
SIZE/RATING	
A.F. ACTION	

DIAPHRAGM OPERATED
GLOBE VALVE WITH
POSITIONER

001500

GENERAL NOTES

1. SUPPLY AIR REGULATORS FOR PNEUMATIC INSTRUMENTS NEED NOT BE SHOWN WHEN SETTING IS 138kPa(ga) (20 PSIG). IN ALL OTHER CASES REGULATOR PLUS SETTING, (REFER TO "S") SHALL BE SHOWN.

2. THIS STANDARD DRAWING SHOWS PORT/TERMINAL IDENTIFICATIONS THAT REFER TO A TYPICAL TYPE AND MAKE. ON LOOP DIAGRAMS PORT/TERMINAL IDENTIFICATIONS SHALL BE SHOWN ON AS ON ACTUAL INSTRUMENTS. PORTS/TERMINALS NOT CONNECTED AND NOT PLUGGED NEED NOT BE IDENTIFIED.

3. FOR SAFETY SHUT-OFF VALVES AND MOTOR OPERATED VALVE SEE AB-036492 SHT. 002.

4. NUMBERS SHOWN THUS 01500F REFER TO COMPUTER AIDED DRAFTING "CADD" CELL NUMBER.

DWG. RESPONSIBILITY :

INSTRUMENTS STANDARD COMMITTEE

09	NOV96	RCR		CHGD. MANDATORY DRAWING NOTE TO DRAWING RESPONSIBILITY NOTE.			
08	10-08-89	RLO		REVISED, TRANSFERED DETAIL 10 TO DWG. AB-036492 SHT. 002.	ORIG. SIGNED	ORIG. SIGNED	ORIG. SIGNED
07	07.25.87	ERC		REDRAWN FOR CLARITY.	ORIG. SIGNED	ORIG. SIGNED	ORIG. SIGNED
REV. NO.	DATE	BY	JO/EWO	DESCRIPTION	CHKD.	CERT.	APPD.

SAUDI ARABIAN OIL COMPANY

DRAWN BY KW/HW

CHECKED BY

SCALE

DATE STARTED

DATE COMPLETED

OPRG. DEPT.

ENG. DEPT.

APPD. FOR CONSTR.

THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION OR FOR ORDERING MATERIAL UNTIL CERTIFIED AND DATED

CERTIFIED BY DATE

IN-LINE INSTRUMENT

SYMBOLS

FOR INSTRUMENT LOOP DIAGRAMS

STD. DWGS.

PLANT NO.	INDEX	DRAWING NUMBER	SHEET NO.	REV. NO.
990	J	AD-036491	001	09