

**FDC INERT GASBLANKETING SYSTEM SPEC.SHEET**

Project :

CLIENT :

GENERAL

1	TAG. NO.			
2	SERVICE			
3	LINE NO. OR P & ID NO.			
4	TANK NO.			
5	QUANTITY			

BLANKETING SYSTEM SPEC.

6	MODEL			
7	OPERATING CONTROL TYPE			
8	CONTROL PRESSURE(POSITIVE or VACUUM)			

BODY

9	SIZE			
10	BODY CONNECTION - FLANGE			
11	BODY TYPE(PILOT or PISTON)			
12	BODY MATERIAL			

TRIM

13	TYPE OF ACTUATOR			
14	TRIM MATERIAL			
15	NO. of PORT			
16	DIAPHRAGM MATERIAL			
17	GASKET			
18	SENSOR PORT LINE SIZE			

DESIGN CONDITION

19	SET. POINT (mmW.C)			
20	BLANKET GAS			
21	REQ. CAPACITY NOR./MAX. (N m ³ /hr)			
22	RATED FLOW CAPACITY (N m ³ /hr)			
23	UTILITY INLET PRESSURE(Δ P)(kg /cm ²)			
24	TANK CAPACITY (m ³)			
25	MAX. VAPOR SPACE VOLUME (m ³)			
26	OPERATING TEMPERATURE (°C)			
27	TANK DESIGN PRESSURE (kg /cm ²)			

OTHER & OPTION

28	INLET ON/OFF SOL. V/V			
29	INLET AIR REGULATOR			
30	OUTLET(CONTROLLED) PRESSURE GAUGE			
31	FLANGE FACE TO FACE LENGTH			
32	IN/OUT PIPING CENTER HEIGHT			
33	IN/OUT PIPING TOP VIEW DISTANCE			
34	DWG. NO.			

NOTE.

NO	DESCRIPTION	DATE	DESIGNED BY	APPROVED BY



FD C CALCULATION SHEET FOR BLANKETING SYSTEM

CUSTOMER		DOC. NO.	
PROJECT		JOB NO.	
EQUIPMENT		CALC. NO.	

CALCULATED CODE

ACCORDING TO API 2000, 1998 EDITION

TOTAL INBREATHING $Q_i = Q_{i1} + Q_{i2}$	EQUATION		UNIT
	LIQUID MOVEMENT OUT Q_{i1} (TABLE 1B)		MAXIMUM EMPYTING RATE (AT 15.6°C) X 0.94 N m ³ /h
	THERMAL EFFECT Q_{i2} (TABLE 2B)	TANK CAPA. $\geq 3180 \text{ m}^3$ TANK CAPA. $< 3181 \text{ m}^3$	(SHELL AREA(m ²) + ROOF AREA(m ²)) X 0.577 TANK CAPACITY X 0.169 N m ³ /h

GENERAL			
1 TAG. NO.			
2 TANK NO.			
3 TANK DIAMETER OR WIDE (AXB) (m)			
4 TANK HEIGHT (m)			
5 TANK CAPACITY (m ³)			
6 SHELL AREA (m ²)			
7 ROOF AREA (m ²)			
8 FLUID			
9 FLASH POINT (°C)			
10 OPERATING TEMPERATURE (°C)			
VENTING REQUIREMENTS			
11 LIQUID MOVEMENT OUT (N m ³ /h)			
12 THERMAL EFFECT (N m ³ /h)			
13 TOTAL INBREATHING REQUIREMENT (N m ³ /h)			
SELECTED EQUIPMENT			
14 MODEL			
15 SIZE (IN)			
16 FLOW CAPACITY (N m ³ /h)			
17			

FLOW CAPACITY TABLE

MODEL	SIZE	CONNECTION	FLOW CAPACITY (N m ³ /h) AS INLET PRESSURE (kg/cm ²) - Air						
			2	3	4	5	6	7	8
KSBKL	1/2" ~ 2"	FLANGE OR FEMALE	50	81	113	146	171	202	233
KSBKT-1	1/2" ~ 1"	FLANGE OR FEMALE	209	323	428	546	647	761	861
KSBKT-2	1" ~ 2"	FLANGE OR FEMALE	674	1049	1389	1765	2100	2471	2803

NOTE.



CMC TECHNOLOGIES

PTY LIMITED ACN: 085 991 224, ABN: 47 085 991 224

Engineering &
Industrial
Instrumentation

Phone: +61 2 9669 4000
Fax: +61 2 9669 4111
Email: sales@cmctechnologies.com.au
Web Site: <http://www.cmctechnologies.net.au>

Unit 19, 77 Bourke Road,
Alexandria, NSW, 2015
AUSTRALIA

REV. NO.	DATE	DESCRIPTION	DESIGNED BY	APPROVED BY