



COMUNE DI RADICONDOLI
PROVINCIA DI SIENA

SESTA LAB

CELLA 3



CONSORZIO PER LO SVILUPPO
DELLE AREE GEOTERMICHE

PROGETTAZIONE

PROGETTO ESECUTIVO

PROPRIETA'



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Direttore Tecnico (Art. 53 D.P.R. 554 21 Dicembre 1999)
Dott. Ing. Paolo Bonacorsi Ordine Ingegneri di Firenze n° 4587

RESPONSABILE PROGETTO E D.O.

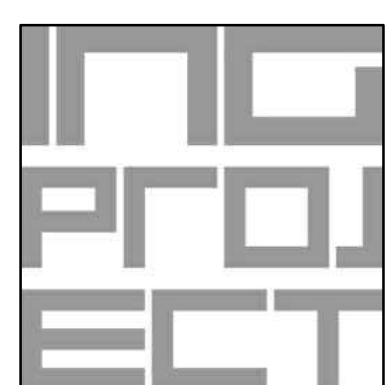
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IMPIANTO MECCANICO

ELABORATO N°.

IMD04

TITOLO

Data Sheet Valvole

SCALA:

-

REVISIONE:

B

DATA:

30 Agosto 2018

NOME FILE:

SestaLab PROGETTO CELLA3				CONTROL VALVE DATA SHEET				Tag. No.		10FCV1030				
								Q.ty		1				
1	2	3	4	5				1	2	3	4	5		
	1			Location: Sesta Lab					57			MFR.	Model	
	2			Service					58			Type (pneumatic, electric, hydraulic) Pneumatic		
	3			Haz.area class.					59			Style		
	4			Ambient temp. -10°C min. +50°C max.					60			Air connection		
	5			Allowable sound pressure level dB(A)					61					
	6			Pipe identification No.					62			Supply press.	min. max.	
	7			NPS (inlet/outlet) : 8"-14" thk/Sch.					63			Bench range		
	8			Pipe material - AISI304					64					
	9			Pipe insulation					65					
	10			Design Conditions: PS50 TS-10+600					66					
	11			Pipe connection					67					
	12			Process fluid description		Combustion gasses			68					
	13			Process fluid/status (liq. or gas) gas					69					
	14								70			MFR.	Model	
	15				Min.	Norm.	Max.	Unit		71			Input signal 4-20mA	
	16			Flow Rate 0.3 5 5 kg/s					72			Valve open at		
	17			Inlet press. P1	4	30	4	bar (g)		73			Valve closed at	
	18			Outlet press. P2	0.3	0.3	0.3	bar (g)		74			Type	
	19			Temperature T1	30	580	580	° C		75			Air connection	
	20			Inlet density δ or M					76			Area classification: II 3G IIC T3		
	21			Vapour pressure Pv					77					
	22			Critical pressure Pc					78					
	23			Viscosity					79					
	24			Ratio of specific heats					80			MFR.	Model	
	25			Compressibility factor Z					81			Switch type: N. 2 MAGNETIC TYPE		
	26								82			Switching pos. OPEN / CLOSE		
	27			Shutoff diff. pressure Δp		50		bar (g)		83			Switch acting	
	28			Air supply : min		max		bar (g)		84			Area classification: II 3G IIC T3	
	29			Power failure pos (FO, FC, FL). FO					85			Pos. indicator output signal: 4-20mA		
	30								86			MFR.	Model	
	31			Calc. max. flow coef. C 550					87			Valve style		
	32			Calc. min. flow coef. C 15					88			De-energ.: control valve		
	33			Selected flow coef. C					89					
	34			Predicted sound pressure level db(A)					90			Air connection	Port. Size	
	35			MFR Model					91			Electrical data	V Hz W	
	36			Body type					92			Area classification		
	37			Flow direction					93					
	38			Pressure rating					94				Model	
	39			Nominal size					95					
	40			End conn. (flanged, welding, ..)		flange			96				Model	
	41			IN 8" #900 RTJ - OUT 14" #900 RTJ					97					
	42			End extensions					98				Model	
	43			Bonnet style					99					
	44								100				Model	
	45			Body/bonnet matl.					101					
	46			Trim					102			Tubing	Matl.	
	47			Characteristic Linear					103					
	48			Plug / stem matl.					104			Test certificate(s)		
	49			Guide / seat matl.					105			Other tests		
	50								106			Parts to be tested		
	51			Seat style					107					
	52			Trim coating					108					
	53								109					
	54			Saet leakage class (IEC 60534-4):		IV			110					
	55			Packing matl.					111					
	56								112					
Remarks : Gas composition 80% combustion gasses 20% steam - 25.5kg/kmol														
						Project			Dw ref. No.					
						Plant			Mat. req. No.					
Rev.	Date	Name	Rev.	Date	Name	P.O. No.			Item No.		Qty			

SestaLab PROGETTO CELLA3				CONTROL VALVE DATA SHEET				Tag. No.		see remarks						
								Q.ty		2						
1	2	3	4	5					1	2	3	4	5			
	1			Location: Sesta Lab						57			MFR.	Model		
	2			Service						58			Type (pneumatic, electric, hydraulic)		Pneumatic	
	3			Haz.area class.						59			Style			
	4			Ambient temp. -10°C min. +40°C max.						60			Air connection			
	5			Allowable sound pressure level						61						
	6			Pipe identification No.						62			Supply press.	min.	max.	
	7			NPS (inlet/outlet) : 6" thk/Sch. 40s						63			Bench range			
	8			Pipe material - AISI316						64						
	9			Pipe insulation						65						
	10			Design Conditions: PS50 TS-10+60						66						
	11			Pipe connection						67						
	12			Process fluid description Clean Air						68						
	13			Process fluid/status (liq. or gas) gas						69						
	14									70			MFR.	Model		
	15				Min.	Norm.	Max.	Unit		71			Input signal 4-20mA			
	16			Flow Rate	0.3	4	4	kg/s		72			Valve open at			
	17			Inlet press. P1	40	40	40	bar (g)		73			Valve closed at			
	18			Outlet press. P2	5	38	5	bar (g)		74			Type			
	19			Temperature T1	30	30	30	° C		75			Air connection			
	20			Inlet density δ or M				Kg/m3		76			Area classification: NC			
	21			Vapour pressure Pv						77						
	22			Critical pressure Pc				bar (a)		78						
	23			Viscosity				bar (a)		79						
	24			Ratio of specific heats						80			MFR.	Model		
	25			Compressibility factor Z						81			Switch type: N. 2 MAGNETIC TYPE			
	26									82			Switching pos. OPEN / CLOSE			
	27			Shutoff diff. pressure Δp	50			bar (g)		83			Switch acting			
	28			Air supply : min		max		bar (g)		84			Area classification: NC			
	29			Power failure pos (FO, FC, FL).				FC		85			Pos. indicator output signal: 4-20mA			
	30									86			MFR.	Model		
	31			Calc. max. flow coef. C	60					87			Valve style			
	32			Calc. min. flow coef. C	2					88			De-energ.: control valve			
	33			Selected flow coef. C						89						
	34			Predicted sound pressure level				db(A)		90			Air connection	Port. Size		
	35			MFR						91			Electrical data	V	Hz	W
	36			Body type						92			Area classification			
	37			Flow direction						93						
	38			Pressure rating						94				Model		
	39			Nominal size						95						
	40			End conn. (flanged, welding, ..)				flange		96				Model		
	41				6" - ANSI600 - RF					97						
	42			End extensions						98				Model		
	43			Bonnet style						99						
	44									100				Model		
	45			Body/bonnet matl.						101						
	46			Trim						102			Tubing	Matl.		
	47			Characteristic	Equal Percent					103						
	48			Plug / stem matl.						104			Test certificate(s)			
	49			Guide / seat matl.						105			Other tests			
	50									106			Parts to be tested			
	51			Seat style						107						
	52			Trim coating						108						
	53									109						
	54			Seat leakage class (IEC 60534-4):						110						
	55			Packing matl.						111						
	56									112						
Remarks : TAGS: 10FCV1007 - 10FCV1017																
										Project		Dw ref. No.				
										Plant		Mat. req. No.				
Rev.	Date	Name	Rev.	Date	Name	P.O. No.				Item No.		Qty				

SestaLab PROGETTO CELLA3				ON-OFF VALVE DATA SHEET				Tag. No.		see remarks					
								Q.ty		4					
1	2	3	4	5					1	2	3	4	5		
1				Location: Sesta Lab					57				MFR.	Model	
2				Service					58				Type (pneumatic, electric, hydraulic)		Pneumatic
3				Haz.area class.					59				Style		
4				Ambient temp. -10°C min. +40°C max.					60				Air connection		
5				Allowable sound pressure level					61						
6				Pipe identification No.					62				Supply press.	min.	max.
7				NPS (inlet/outlet) : 6" thk/Sch. 40s					63				Bench range		
8				Pipe material - AISI316					64						
9				Pipe insulation					65						
10				Design Conditions: PS50 TS-10 +600					66						
11				Pipe connection					67						
12				Process fluid description Clean Air					68						
13				Process fluid/status (liq. or gas) gas					69						
14									70				MFR.	Model	
15					Min.	Norm.	Max.	Unit	71			Input signal OPEN/CLOSE 24Vdc			
16				Flow Rate					72				Valve open at		
17				Inlet press. P1 40 bar (g)					73				Valve closed at		
18				Outlet press. P2 bar (g)					74				Type		
19				Temperature T1 30 °C					75				Air connection		
20				Inlet density δ or M Kg/m3					76				Area classification: II 3G IIC T3		
21				Vapour pressure Pv					77						
22				Critical pressure Pc bar (a)					78						
23				Viscosity bar (a)					79						
24				Ratio of specific heats					80				MFR.	Model	
25				Compressibility factor Z					81				Switch type: N. 2 MAGNETIC TYPE		
26									82				Switching pos. OPEN / CLOSE		
27				Shutoff diff. pressure Δp 50 bar (g)					83				Switch acting		
28				Air supply : min max bar (g)					84				Area classification: II 3G IIC T3		
29				Power failure pos (FO, FC, FL). FC					85						
30									86				MFR.	Model	
31				Calc. max. flow coef. C					87				Valve style		
32				Calc. min. flow coef. C					88				De-energ.: control valve		
33				Selected flow coef. C					89						
34				Predicted sound pressure level db(A)					90				Air connection		Port. Size
35				MFR Model					91				Electrical data		V Hz W
36				Body type					92				Area classification		
37				Flow direction					93						
38				Pressure rating					94				Model		
39				Nominal size					95						
40				End conn. (flanged, welding, ..) flange					96				Model		
41				6" - ANSI900 - RF					97						
42				End extensions					98				Model		
43				Bonnet style					99						
44									100				Model		
45				Body/bonnet matl.					101						
46				Trim					102				Tubing		Matl.
47				Characteristic					103						
48				Plug / stem matl.					104				Test certificate(s)		
49				Guide / seat matl.					105				Other tests		
50									106				Parts to be tested		
51				Seat style					107						
52				Trim coating					108						
53									109						
54				Saet leakage class (IEC 60534-4):					110						
55				Packing matl.					111						
56									112						
Remarks : TAGS: 10FV1008 - 10FC1009 - 10FV1018 - 10FV1026															
						Project			Dw ref. No.						
						Plant			Mat. req. No.						
Rev.	Date	Name	Rev.	Date	Name	P.O. No.		Item No.		Qty					

SestaLab PROGETTO CELLA3				CONTROL VALVE DATA SHEET				Tag. No. 12FCV1108						
								Q.ty	1					
1	2	3	4	5				1	2	3	4	5		
	1			Location: Sesta Lab				57				MFR.	Model	
	2			Service				58				Type (pneumatic, electric, hydraulic)	Pneumatic	
	3			Haz.area class.				59				Style		
	4			Ambient temp. -10°C min. +40°C max.				60				Air connection		
	5			Allowable sound pressure level				61						
	6			Pipe identification No.				62				Supply press. min. max.		
	7			NPS (inlet/outlet) : 1 1/2" thk/Sch. 40s				63				Bench range		
	8			Pipe material - AISI316				64						
	9			Pipe insulation				65						
	10			Design Conditions: PS70 TS0+60				66						
	11			Pipe connection				67						
	12			Process fluid description DEMI Water				68						
	13			Process fluid/status (liq. or gas) liquid				69						
	14							70				MFR.	Model	
	15				Min.	Norm.	Max.	Unit	71				Input signal	4-20mA
	16			Flow Rate	0.05	1	2	kg/s	72				Valve open at	
	17			Inlet press. P1	40	40	40	bar (g)	73				Valve closed at	
	18			Outlet press. P2	10	38	38	bar (g)	74				Type	
	19			Temperature T1	30	30	30	° C	75				Air connection	
	20			Inlet density δ or M				Kg/m3	76				Area classification: II 3G IIC T3	
	21			Vapour pressure Pv					77					
	22			Critical pressure Pc				bar (a)	78					
	23			Viscosity				bar (a)	79					
	24			Ratio of specific heats					80				MFR.	Model
	25			Compressibility factor Z					81				Switch type: N. 2 MAGNETIC TYPE	
	26								82				Switching pos. OPEN / CLOSE	
	27			Shutoff diff. pressure Δp		70		bar (g)	83				Switch acting	
	28			Air supply : min		max		bar (g)	84				Area classification: II 3G IIC T3	
	29			Power failure pos (FO, FC, FL).				FC	85				Pos. indicator output signal: 4-20mA	
	30								86				MFR.	Model
	31			Calc. max. flow coef. C	6				87				Valve style	
	32			Calc. min. flow coef. C	0.05				88				De-energ.: control valve	
	33			Selected flow coef. C					89					
	34			Predicted sound pressure level				db(A)	90				Air connection	Port. Size
	35			MFR					91				Electrical data	V Hz W
	36			Body type					92				Area classification	
	37			Flow direction					93					
	38			Pressure rating					94					Model
	39			Nominal size					95					
	40			End conn. (flanged, welding, ..)				flange	96					Model
	41								97					
	42			End extensions					98					Model
	43			Bonnet style					99					
	44								100					Model
	45			Body/bonnet matl.					101					
	46			Trim					102				Tubing	Matl.
	47			Characteristic	Equal Percent				103					
	48			Plug / stem matl.					104				Test certificate(s)	
	49			Guide / seat matl.					105				Other tests	
	50								106				Parts to be tested	
	51			Seat style					107					
	52			Trim coating					108					
	53								109					
	54			Seat leakage class (IEC 60534-4):					110					
	55			Packing matl.					111					
	56								112					
Remarks :														
						Project			Dw ref. No.					
						Plant			Mat. req. No.					
Rev.	Date	Name	Rev.	Date	Name	P.O. No.			Item No.		Qty			

SestaLab PROGETTO CELLA3				CONTROL VALVE DATA SHEET				Tag. No.		08FCV1107				
								Q.ty		1				
1	2	3	4	5				1	2	3	4	5		
	1			Location: Sesta Lab					57			MFR.	Model	
	2			Service					58			Type (pneumatic, electric, hydraulic) Pneumatic		
	3			Haz.area class.					59			Style		
	4			Ambient temp. -10°C min. +40°C max.					60			Air connection		
	5			Allowable sound pressure level dB(A)					61					
	6			Pipe identification No.					62			Supply press.	min. max.	
	7			NPS (inlet/outlet) : 1/2" thk/Sch. 40s					63			Bench range		
	8			Pipe material - AISI316					64					
	9			Pipe insulation					65					
	10			Design Conditions: PS90 TS-60+60					66					
	11			Pipe connection					67					
	12			Process fluid description H2 - Hydrogen					68					
	13			Process fluid/status (liq. or gas) gas					69					
	14								70			MFR.	Model	
	15				Min.	Norm.	Max.	Unit		71			Input signal 4-20mA	
	16			Flow Rate 0.1 0.1 14 g/s					72			Valve open at		
	17			Inlet press.	P1	60	10	10 bar (g)		73			Valve closed at	
	18			Outlet press.	P2	59.5	9	8 bar (g)		74			Type	
	19			Temperature	T1	30	30	30 ° C		75			Air connection	
	20			Inlet density δ or M					76			Area classification: II 3G IIC T2		
	21			Vapour pressure Pv					77					
	22			Critical pressure Pc					78					
	23			Viscosity					79					
	24			Ratio of specific heats					80			MFR.	Model	
	25			Compressibility factor Z					81			Switch type: N. 2 MAGNETIC TYPE		
	26								82			Switching pos. OPEN / CLOSE		
	27			Shutoff diff. pressure Δp 90 bar (g)					83			Switch acting		
	28			Air supply : min max bar (g)					84			Area classification: II 3G IIC T2		
	29			Power failure pos (FO, FC, FL). FC					85			Pos. indicator output signal: 4-20mA		
	30								86			MFR.	Model	
	31			Calc. max. flow coef. C 1.5					87			Valve style		
	32			Calc. min. flow coef. C 0.05					88			De-energ.: control valve		
	33			Selected flow coef. C					89					
	34			Predicted sound pressure level db(A)					90			Air connection	Port. Size	
	35			MFR Model					91			Electrical data	V Hz W	
	36			Body type					92			Area classification		
	37			Flow direction					93					
	38			Pressure rating					94				Model	
	39			Nominal size					95					
	40			End conn. (flanged, welding, ..) flange					96				Model	
	41			1/2" - ANSI600 - RF					97					
	42			End extensions					98				Model	
	43			Bonnet style					99					
	44								100				Model	
	45			Body/bonnet matl.					101					
	46			Trim					102			Tubing	Matl.	
	47			Characteristic Equal Percent					103					
	48			Plug / stem matl.					104			Test certificate(s)		
	49			Guide / seat matl.					105			Other tests		
	50								106			Parts to be tested		
	51			Seat style					107					
	52			Trim coating					108					
	53								109					
	54			Saet leakage class (IEC 60534-4): VI					110					
	55			Packing matl.					111					
	56								112					
Remarks :														
Additional operating condition: 14g/s - p.in60bar(g) - p.out 58 bar(g) - T=30°C														
						Project			Dw ref. No.					
						Plant			Mat. req. No.					
Rev.	Date	Name	Rev.	Date	Name	P.O. No.			Item No.		Qty			

SestaLab PROGETTO CELLA3				CONTROL VALVE DATA SHEET				Tag. No.		08FCV1127					
								Q.ty		1					
1	2	3	4	5				1	2	3	4	5			
1				Location: Sesta Lab				57				MFR.	Model		
2				Service				58				Type (pneumatic, electric, hydraulic) Pneumatic			
3				Haz.area class.				59				Style			
4				Ambient temp. -10°C min. +40°C max.				60				Air connection			
5				Allowable sound pressure level				61							
6				Pipe identification No.				62				Supply press.	min. max.		
7				NPS (inlet/outlet) : 1/2" thk/Sch. 40s				63				Bench range			
8				Pipe material - AISI316				64							
9				Pipe insulation				65							
10				Design Conditions: PS90 TS-60+60				66							
11				Pipe connection				67							
12				Process fluid description		Carb monoxide - CO		68							
13				Process fluid/status (liq. or gas) gas				69							
14								70				MFR.	Model		
15					Min.	Norm.	Max.	Unit	71				Input signal 4-20mA		
16				Flow Rate				72				Valve open at			
17				Inlet press.	P1	60	10	10	bar (g)	73				Valve closed at	
18				Outlet press.	P2	59.5	9	8	bar (g)	74				Type	
19				Temperature	T1	30	30	30	° C	75				Air connection	
20				Inlet density δ or M				76				Area classification: II 3G IIC T2			
21				Vapour pressure Pv				77							
22				Critical pressure Pc				78							
23				Viscosity				79							
24				Ratio of specific heats				80				MFR.	Model		
25				Compressibility factor Z				81				Switch type: N. 2 MAGNETIC TYPE			
26								82				Switching pos. OPEN / CLOSE			
27				Shutoff diff. pressure Δp		90			bar (g)	83				Switch acting	
28				Air supply : min		max			bar (g)	84				Area classification: II 3G IIC T2	
29				Power failure pos (FO, FC, FL).				85				Pos. indicator output signal: 4-20mA			
30								86				MFR.	Model		
31				Calc. max. flow coef. C		1.0				87				Valve style	
32				Calc. min. flow coef. C		0.05				88				De-energ.: control valve	
33				Selected flow coef. C				89							
34				Predicted sound pressure level				90				Air connection	Port. Size		
35				MFR Model				91				Electrical data	V Hz W		
36				Body type				92				Area classification			
37				Flow direction				93							
38				Pressure rating				94					Model		
39				Nominal size				95							
40				End conn. (flanged, welding, ..)		flange				96					Model
41				1/2" - ANSI600 - RF				97							
42				End extensions				98					Model		
43				Bonnet style				99							
44								100					Model		
45				Body/bonnet matl.				101							
46				Trim				102				Tubing	Matl.		
47				Characteristic Equal Percent				103							
48				Plug / stem matl.				104				Test certificate(s)			
49				Guide / seat matl.				105				Other tests			
50								106				Parts to be tested			
51				Seat style				107							
52				Trim coating				108							
53								109							
54				Saet leakage class (IEC 60534-4):		VI				110					
55				Packing matl.				111							
56								112							

Remarks :
Additional operating condition: 14g/s - p.in60bar(g) - p.out 58 bar(g) - T=30°C

						Project		Dw ref. No.	
						Plant		Mat. req. No.	
Rev.	Date	Name	Rev.	Date	Name	P.O. No.	Item No.	Qty	

SestaLab PROGETTO CELLA3				CONTROL VALVE DATA SHEET				Tag. No. 08FCV1147						
								Q.ty 1						
1	2	3	4	5				1	2	3	4	5		
1				Location: Sesta Lab				57				MFR.	Model	
2				Service				58				Type (pneumatic, electric, hydraulic) Pneumatic		
3				Haz.area class.				59				Style		
4				Ambient temp. -10°C min. +40°C max.				60				Air connection		
5				Allowable sound pressure level dB(A)				61						
6				Pipe identification No.				62				Supply press. min. max.		
7				NPS (inlet/outlet) : 1/2" thk/Sch. 40s				63				Bench range		
8				Pipe material - AISI316				64						
9				Pipe insulation				65						
10				Design Conditions: PS90 TS-60+60				66						
11				Pipe connection				67						
12				Process fluid description Ethane - C2H6				68						
13				Process fluid/status (liq. or gas) gas				69						
14								70				MFR.	Model	
15					Min.	Norm.	Max.	Unit	71				Input signal 4-20mA	
16				Flow Rate 0.5 0.5 14 g/s				72				Valve open at		
17				Inlet press. P1	60	10	10	bar (g)	73				Valve closed at	
18				Outlet press. P2	59.5	9	8	bar (g)	74				Type	
19				Temperature T1	30	30	30	° C	75				Air connection	
20				Inlet density δ or M				76				Area classification: II 3G IIC T2		
21				Vapour pressure Pv				77						
22				Critical pressure Pc				78						
23				Viscosity				79						
24				Ratio of specific heats				80				MFR.	Model	
25				Compressibility factor Z				81				Switch type: N. 2 MAGNETIC TYPE		
26								82				Switching pos. OPEN / CLOSE		
27				Shutoff diff. pressure Δp 90 bar (g)				83				Switch acting		
28				Air supply : min max bar (g)				84				Area classification: II 3G IIC T2		
29				Power failure pos (FO, FC, FL). FC				85				Pos. indicator output signal: 4-20mA		
30								86				MFR.	Model	
31				Calc. max. flow coef. C 1.0				87				Valve style		
32				Calc. min. flow coef. C 0.05				88				De-energ.: control valve		
33				Selected flow coef. C				89						
34				Predicted sound pressure level db(A)				90				Air connection Port. Size		
35				MFR Model				91				Electrical data V Hz W		
36				Body type				92				Area classification		
37				Flow direction				93						
38				Pressure rating				94				Model		
39				Nominal size				95						
40				End conn. (flanged, welding, ..) flange				96				Model		
41				1/2" - ANSI600 - RF				97						
42				End extensions				98				Model		
43				Bonnet style				99						
44								100				Model		
45				Body/bonnet matl.				101						
46				Trim				102				Tubing Matl.		
47				Characteristic Equal Percent				103						
48				Plug / stem matl.				104				Test certificate(s)		
49				Guide / seat matl.				105				Other tests		
50								106				Parts to be tested		
51				Seat style				107						
52				Trim coating				108						
53								109						
54				Saet leakage class (IEC 60534-4): VI				110						
55				Packing matl.				111						
56								112						

Remarks :
Additional operating condition: 14g/s - p.in60bar(g) - p.out 58 bar(g) - T=30°C

						Project		Dw ref. No.	
						Plant		Mat. req. No.	
Rev.	Date	Name	Rev.	Date	Name	P.O. No.		Item No.	Qty

SestaLab PROGETTO CELLA3				CONTROL VALVE DATA SHEET				Tag. No. 08FCV1167						
								Q.ty	1					
1	2	3	4	5				1	2	3	4	5		
	1			Location: Sesta Lab				57				MFR.	Model	
	2			Service				58				Type (pneumatic, electric, hydraulic) Pneumatic		
	3			Haz.area class.				59				Style		
	4			Ambient temp. -10°C min. +40°C max.				60				Air connection		
	5			Allowable sound pressure level				61				dB(A)		
	6			Pipe identification No.				62				Supply press. min. max.		
	7			NPS (inlet/outlet) : 1/2" thk/Sch. 40s				63				Bench range		
	8			Pipe material - AISI316				64						
	9			Pipe insulation				65						
	10			Design Conditions: PS90 TS-60+60				66						
	11			Pipe connection				67						
	12			Process fluid description Nitrogen - N2				68						
	13			Process fluid/status (liq. or gas) gas				69						
	14							70				MFR.	Model	
	15				Min.	Norm.	Max.	Unit	71				Input signal 4-20mA	
	16			Flow Rate 1 1 20 g/s				72				Valve open at		
	17			Inlet press. P1 60 10 10 bar (g)				73				Valve closed at		
	18			Outlet press. P2 59 9 8 bar (g)				74				Type		
	19			Temperature T1 30 30 30 °C				75				Air connection		
	20			Inlet density δ or M				76				Area classification: II 3G IIC T2		
	21			Vapour pressure Pv				77						
	22			Critical pressure Pc				78				bar (a)		
	23			Viscosity				79				bar (a)		
	24			Ratio of specific heats				80						
	25			Compressibility factor Z				81						
	26							82						
	27			Shutoff diff. pressure Δp 90 bar (g)				83				Switching pos. OPEN / CLOSE		
	28			Air supply : min max bar (g)				84				Switch acting		
	29			Power failure pos (FO, FC, FL). FC				85				Area classification: II 3G IIC T2		
	30							86				Pos. indicator output signal: 4-20mA		
	31			Calc. max. flow coef. C 1.0				87				MFR.	Model	
	32			Calc. min. flow coef. C 0.05				88				Valve style		
	33			Selected flow coef. C				89				De-energ.: control valve		
	34			Predicted sound pressure level db(A)				90				Air connection Port. Size		
	35			MFR Model				91				Electrical data V Hz W		
	36			Body type				92				Area classification		
	37			Flow direction				93						
	38			Pressure rating				94				Model		
	39			Nominal size				95						
	40			End conn. (flanged, welding, ..) flange				96				Model		
	41			1/2" - ANSI600 - RF				97						
	42			End extensions				98				Model		
	43			Bonnet style				99						
	44							100				Model		
	45			Body/bonnet matl.				101						
	46			Trim				102				Tubing Matl.		
	47			Characteristic Equal Percent				103						
	48			Plug / stem matl.				104				Test certificate(s)		
	49			Guide / seat matl.				105				Other tests		
	50							106				Parts to be tested		
	51			Seat style				107						
	52			Trim coating				108						
	53							109						
	54			Saet leakage class (IEC 60534-4): VI				110						
	55			Packing matl.				111						
	56							112						
Remarks :														
Additional operating condition: 20g/s - p.in60bar(g) - p.out 58 bar(g) - T=30°C														
						Project			Dw ref. No.					
						Plant			Mat. req. No.					
Rev.	Date	Name	Rev.	Date	Name	P.O. No.			Item No.		Qty			

SestaLab PROGETTO CELLA3				CONTROL VALVE DATA SHEET				Tag. No. 08FCV1187							
								Q.ty 1							
1	2	3	4	5				1	2	3	4	5			
1				Location: Sesta Lab				57				MFR.	Model		
2				Service				58				Type (pneumatic, electric, hydraulic)	Pneumatic		
3				Haz.area class.				59				Style			
4				Ambient temp. -10°C min. +40°C max.				60				Air connection			
5				Allowable sound pressure level				61							
6				Pipe identification No.				62				Supply press.	min.	max.	
7				NPS (inlet/outlet) : 1/2" thk/Sch. 40s				63				Bench range			
8				Pipe material - AISI316				64							
9				Pipe insulation				65							
10				Design Conditions: PS90 TS-60+60				66							
11				Pipe connection				67							
12				Process fluid description		Carb Dioxide - CO2		68							
13				Process fluid/status (liq. or gas) gas				69							
14								70				MFR.	Model		
15					Min.	Norm.	Max.	Unit	71		Input signal 4-20mA				
16				Flow Rate 1 1 20 g/s				72				Valve open at			
17				Inlet press. P1	60	10	10	bar (g)	73		Valve closed at				
18				Outlet press. P2	59	9	8	bar (g)	74		Type				
19				Temperature T1	30	30	30	° C	75		Air connection				
20				Inlet density δ or M				76				Area classification: II 3G IIC T2			
21				Vapour pressure Pv				77							
22				Critical pressure Pc				78							
23				Viscosity				79							
24				Ratio of specific heats				80				MFR.	Model		
25				Compressibility factor Z				81				Switch type: N. 2 MAGNETIC TYPE			
26								82				Switching pos. OPEN / CLOSE			
27				Shutoff diff. pressure Δp		90		bar (g)	83		Switch acting				
28				Air supply : min		max		bar (g)	84		Area classification: II 3G IIC T2				
29				Power failure pos (FO, FC, FL). FC				85				Pos. indicator output signal: 4-20mA			
30								86				MFR.	Model		
31				Calc. max. flow coef. C 1.0				87				Valve style			
32				Calc. min. flow coef. C 0.05				88				De-energ.: control valve			
33				Selected flow coef. C				89							
34				Predicted sound pressure level				90				Air connection	Port. Size		
35				MFR Model				91				Electrical data	V	Hz	W
36				Body type				92				Area classification			
37				Flow direction				93							
38				Pressure rating				94				Model			
39				Nominal size				95				Model			
40				End conn. (flanged, welding, ..)		flange		96			Model				
41				1/2" - ANSI600 - RF				97			Model				
42				End extensions				98				Model			
43				Bonnet style				99				Model			
44								100				Model			
45				Body/bonnet matl.				101				Matl.			
46				Trim				102							
47				Characteristic Equal Percent				103							
48				Plug / stem matl.				104				Test certificate(s)			
49				Guide / seat matl.				105				Other tests			
50								106				Parts to be tested			
51				Seat style				107							
52				Trim coating				108							
53								109							
54				Saet leakage class (IEC 60534-4):		VI		110							
55				Packing matl.				111							
56								112							
Remarks :															
Additional operating condition: 20g/s - p.in60bar(g) - p.out 58 bar(g) - T=30°C															
							Project			Dw ref. No.					
							Plant			Mat. req. No.					
Rev.	Date	Name	Rev.	Date	Name	P.O. No.	Item No.			Qty					

SestaLab PROGETTO CELLA3				CONTROL VALVE DATA SHEET				Tag. No.		08FCV1015				
								Q.ty		1				
1	2	3	4	5				1	2	3	4	5		
	1			Location: Sesta Lab					57			MFR.	Model	
	2			Service					58			Type (pneumatic, electric, hydraulic)	Pneumatic	
	3			Haz.area class.					59			Style		
	4			Ambient temp. -10°C min. +40°C max.					60			Air connection		
	5			Allowable sound pressure level					61					
	6			Pipe identification No.					62			Supply press.	min. max.	
	7			NPS (inlet/outlet) : 1/2" thk/Sch. 40s					63			Bench range		
	8			Pipe material - AISI316					64					
	9			Pipe insulation					65					
	10			Design Conditions: PS90 TS-60+60					66					
	11			Pipe connection					67					
	12			Process fluid description Natural Gas - CH4					68					
	13			Process fluid/status (liq. or gas) gas					69					
	14								70			MFR.	Model	
	15				Min.	Norm.	Max.	Unit		71			Input signal	4-20mA
	16			Flow Rate	0.2	0.2	15	g/s		72			Valve open at	
	17			Inlet press. P1	7	12	10	bar (g)		73			Valve closed at	
	18			Outlet press. P2	5	10	5	bar (g)		74			Type	
	19			Temperature T1	30	30	30	° C		75			Air connection	
	20			Inlet density δ or M				Kg/m3		76			Area classification: II 3G IIC T2	
	21			Vapour pressure Pv						77				
	22			Critical pressure Pc				bar (a)		78				
	23			Viscosity				bar (a)		79				
	24			Ratio of specific heats						80			MFR.	Model
	25			Compressibility factor Z						81			Switch type: N. 2 MAGNETIC TYPE	
	26								82			Switching pos. OPEN / CLOSE		
	27			Shutoff diff. pressure Δp		90		bar (g)		83			Switch acting	
	28			Air supply : min		max		bar (g)		84			Area classification: II 3G IIC T2	
	29			Power failure pos (FO, FC, FL).				FC		85			Pos. indicator output signal: 4-20mA	
	30								86			MFR.	Model	
	31			Calc. max. flow coef. C	1.0					87			Valve style	
	32			Calc. min. flow coef. C	0.05					88			De-energ.: control valve	
	33			Selected flow coef. C						89				
	34			Predicted sound pressure level				db(A)		90			Air connection	Port. Size
	35			MFR						91			Electrical data	V Hz W
	36			Body type						92			Area classification	
	37			Flow direction						93				
	38			Pressure rating						94				Model
	39			Nominal size						95				
	40			End conn. (flanged, welding, ..)				flange		96				Model
	41			1/2" - ANSI600 - RF					97					
	42			End extensions						98				Model
	43			Bonnet style						99				
	44									100				Model
	45			Body/bonnet matl.						101				
	46			Trim						102			Tubing	Matl.
	47			Characteristic	Equal Percent					103				
	48			Plug / stem matl.						104			Test certificate(s)	
	49			Guide / seat matl.						105			Other tests	
	50									106			Parts to be tested	
	51			Seat style						107				
	52			Trim coating						108				
	53									109				
	54			Seat leakage class (IEC 60534-4):				V		110				
	55			Packing matl.						111				
	56								112					
Remarks :														
Additional operating condition: 15g/s - p.in50bar(g) - p.out 48 bar(g) - T=30°C														
									Project		Dw ref. No.			
									Plant		Mat. req. No.			
Rev.	Date	Name	Rev.	Date	Name	P.O. No.			Item No.		Qty			

SestaLab PROGETTO CELLA3				CONTROL VALVE DATA SHEET				Tag. No.		see remarks					
								Q.ty		2					
1	2	3	4	5				1	2	3	4	5			
	1			Location: Sesta Lab					57			MFR.	Model		
	2			Service					58			Type (pneumatic, electric, hydraulic)	Pneumatic		
	3			Haz.area class.					59			Style			
	4			Ambient temp. -10°C min. +40°C max.					60			Air connection			
	5			Allowable sound pressure level					61						
	6			Pipe identification No.					62			Supply press.	min. max.		
	7			NPS (inlet/outlet) : 1/2" thk/Sch. 40s					63			Bench range			
	8			Pipe material - AISI316					64						
	9			Pipe insulation					65						
	10			Design Conditions: PS90 TS-60+60					66						
	11			Pipe connection					67						
	12			Process fluid description Natural Gas - CH4					68						
	13			Process fluid/status (liq. or gas) gas					69						
	14								70			MFR.	Model		
	15				Min.	Norm.	Max.	Unit		71			Input signal	4-20mA	
	16			Flow Rate					72			Valve open at			
	17			Inlet press.	P1	7	12	10	bar (g)		73			Valve closed at	
	18			Outlet press.	P2	5	10	5	bar (g)		74			Type	
	19			Temperature	T1	30	30	30	° C		75			Air connection	
	20			Inlet density δ or M					76			Area classification: II 3G IIC T2			
	21			Vapour pressure Pv					77						
	22			Critical pressure Pc					78						
	23			Viscosity					79						
	24			Ratio of specific heats					80			MFR.	Model		
	25			Compressibility factor Z					81			Switch type: N. 2 MAGNETIC TYPE			
	26								82			Switching pos. OPEN / CLOSE			
	27			Shutoff diff. pressure Δp					83			Switch acting			
	28			Air supply : min max					84			Area classification: II 3G IIC T2			
	29			Power failure pos (FO, FC, FL).					85			Pos. indicator output signal: 4-20mA			
	30								86			MFR.	Model		
	31			Calc. max. flow coef. C 1.0					87			Valve style			
	32			Calc. min. flow coef. C 0.05					88			De-energ.: control valve			
	33			Selected flow coef. C					89						
	34			Predicted sound pressure level					90			Air connection	Port. Size		
	35			MFR Model					91			Electrical data	V Hz W		
	36			Body type					92			Area classification			
	37			Flow direction					93						
	38			Pressure rating					94				Model		
	39			Nominal size					95						
	40			End conn. (flanged, welding, ..) flange					96				Model		
	41			1/2" - ANSI600 - RF					97						
	42			End extensions					98				Model		
	43			Bonnet style					99						
	44								100				Model		
	45			Body/bonnet matl.					101						
	46			Trim					102			Tubing	Matl.		
	47			Characteristic Equal Percent					103						
	48			Plug / stem matl.					104			Test certificate(s)			
	49			Guide / seat matl.					105			Other tests			
	50								106			Parts to be tested			
	51			Seat style					107						
	52			Trim coating					108						
	53								109						
	54			Saet leakage class (IEC 60534-4): V					110						
	55			Packing matl.					111						
	56								112						
Remarks : TAGS - 08FCV1025 - 08FCV1055															
Additional operating condition: 25g/s - p.in50bar(g) - p.out 48 bar(g) - T=30°C															
						Project			Dw ref. No.						
						Plant			Mat. req. No.						
Rev.	Date	Name	Rev.	Date	Name	P.O. No.			Item No.		Qty				

SestaLab PROGETTO CELLA3				CONTROL VALVE DATA SHEET				Tag. No.		see remarks				
								Q.ty		2				
1	2	3	4	5				1	2	3	4	5		
	1			Location: Sesta Lab					57			MFR.	Model	
	2			Service					58			Type (pneumatic, electric, hydraulic)	Pneumatic	
	3			Haz.area class.					59			Style		
	4			Ambient temp. -10°C min. +40°C max.					60			Air connection		
	5			Allowable sound pressure level					61					
	6			Pipe identification No.					62			Supply press.	min.	max.
	7			NPS (inlet/outlet) : 1/2" thk/Sch. 40s					63			Bench range		
	8			Pipe material - AISI316					64					
	9			Pipe insulation					65					
	10			Design Conditions: PS90 TS-60+60					66					
	11			Pipe connection					67					
	12			Process fluid description		Natural Gas - CH4			68					
	13			Process fluid/status (liq. or gas) gas					69					
	14								70			MFR.	Model	
	15				Min.	Norm.	Max.	Unit		71			Input signal	4-20mA
	16			Flow Rate	1	1	50	g/s		72			Valve open at	
	17			Inlet press. P1	7	12	10	bar (g)		73			Valve closed at	
	18			Outlet press. P2	5	10	5	bar (g)		74			Type	
	19			Temperature T1	30	30	30	° C		75			Air connection	
	20			Inlet density δ or M					76			Area classification: II 3G IIC T2		
	21			Vapour pressure Pv					77					
	22			Critical pressure Pc					78					
	23			Viscosity					79					
	24			Ratio of specific heats					80			MFR.	Model	
	25			Compressibility factor Z					81			Switch type: N. 2 MAGNETIC TYPE		
	26								82			Switching pos. OPEN / CLOSE		
	27			Shutoff diff. pressure Δp		90		bar (g)		83			Switch acting	
	28			Air supply : min		max		bar (g)		84			Area classification: II 3G IIC T2	
	29			Power failure pos (FO, FC, FL).				FC		85			Pos. indicator output signal: 4-20mA	
	30								86			MFR.	Model	
	31			Calc. max. flow coef. C	1.4					87			Valve style	
	32			Calc. min. flow coef. C	0.05					88			De-energ.: control valve	
	33			Selected flow coef. C					89					
	34			Predicted sound pressure level				db(A)		90			Air connection	Port. Size
	35			MFR		Model				91			Electrical data	V Hz W
	36			Body type					92			Area classification		
	37			Flow direction					93					
	38			Pressure rating					94				Model	
	39			Nominal size					95					
	40			End conn. (flanged, welding, ..)		flange				96				Model
	41			1/2" - ANSI600 - RF					97					
	42			End extensions					98				Model	
	43			Bonnet style					99					
	44								100				Model	
	45			Body/bonnet matl.					101					
	46			Trim					102			Tubing	Matl.	
	47			Characteristic Equal Percent					103					
	48			Plug / stem matl.					104			Test certificate(s)		
	49			Guide / seat matl.					105			Other tests		
	50								106			Parts to be tested		
	51			Seat style					107					
	52			Trim coating					108					
	53								109					
	54			Saet leakage class (IEC 60534-4):		V				110				
	55			Packing matl.					111					
	56								112					
Remarks : TAGS - 08FCV1035 - 08FCV1045														
Additional operating condition: 50g/s - p.in50bar(g) - p.out 48 bar(g) - T=30°C														
						Project			Dw ref. No.					
						Plant			Mat. req. No.					
Rev.	Date	Name	Rev.	Date	Name	P.O. No.			Item No.		Qty			

SestaLab PROGETTO CELLA3				ON-OFF VALVE DATA SHEET				Tag. No.		see remarks						
								Q.ty		15						
1	2	3	4	5					1	2	3	4	5			
	1			Location: Sesta Lab					57				MFR.	Model		
	2			Service					58				Type (pneumatic, electric, hydraulic)		Pneumatic	
	3			Haz.area class.					59				Style			
	4			Ambient temp. -10°C min. +40°C max.					60				Air connection			
	5			Allowable sound pressure level					61							
	6			Pipe identification No.					62				Supply press.	min.	max.	
	7			NPS (inlet/outlet) : 1/2" thk/Sch. 40s					63				Bench range			
	8			Pipe material - AISI316					64							
	9			Pipe insulation					65							
	10			Design Conditions: PS90 TS-60+60					66							
	11			Pipe connection					67							
	12			Process fluid description Natural Gas - CH4					68							
	13			Process fluid/status (liq. or gas) gas					69							
	14								70				MFR.	Model		
	15				Min.	Norm.	Max.	Unit	71				Input signal	OPEN/CLOSE 24Vdc		
	16			Flow Rate					72				Valve open at			
	17			Inlet press. P1					73				Valve closed at			
	18			Outlet press. P2					74				Type			
	19			Temperature T1					75				Air connection			
	20			Inlet density δ or M					76				Area classification: II 3G IIC T3			
	21			Vapour pressure Pv					77							
	22			Critical pressure Pc					78							
	23			Viscosity					79							
	24			Ratio of specific heats					80				MFR.	Model		
	25			Compressibility factor Z					81				Switch type: N. 2 MAGNETIC TYPE			
	26								82				Switching pos. OPEN / CLOSE			
	27			Shutoff diff. pressure Δp					83				Switch acting			
	28			Air supply : min max					84				Area classification: II 3G IIC T3			
	29			Power failure pos (FO, FC, FL).					85							
	30								86				MFR.	Model		
	31			Calc. max. flow coef. C					87				Valve style			
	32			Calc. min. flow coef. C					88				De-energ.: control valve			
	33			Selected flow coef. C					89							
	34			Predicted sound pressure level					90				Air connection	Port. Size		
	35			MFR Model					91				Electrical data	V	Hz	W
	36			Body type					92				Area classification			
	37			Flow direction					93							
	38			Pressure rating					94				Model			
	39			Nominal size					95							
	40			End conn. (flanged, welding, ..) flange					96				Model			
	41			1/2" - ANSI600 - RF					97							
	42			End extensions					98				Model			
	43			Bonnet style					99							
	44								100				Model			
	45			Body/bonnet matl.					101							
	46			Trim					102				Tubing	Matl.		
	47			Characteristic					103							
	48			Plug / stem matl.					104				Test certificate(s)			
	49			Guide / seat matl.					105				Other tests			
	50								106				Parts to be tested			
	51			Seat style					107							
	52			Trim coating					108							
	53								109							
	54			Saet leakage class (IEC 60534-4): V					110							
	55			Packing matl.					111							
	56								112							
Remarks : TAGS: 08FV1011-08FV1012-08FV1013-08FV1021-08FV1022-08FV1023-08FV1031-08FV1032-08FV1033-08FV1041 08FV1042-08FV1043-08FV1051 - 08FV1052 - 08FV1053																
						Project			Dw ref. No.							
						Plant			Mat. req. No.							
Rev.	Date	Name	Rev.	Date	Name	P.O. No.		Item No.		Qty						

SestaLab				ON-OFF SIL 3 VALVE DATA SHEET				Tag. No.		08FV1067					
PROGETTO CELLA3								Q.ty		1					
1	2	3	4	5					1	2	3	4	5		
	1			Location: Sesta Lab					57				MFR.	Model	
	2			Service					58				Type (pneumatic, electric, hydraulic)		TBD
	3			Haz.area class.					59				Style		
	4			Ambient temp. -10°C min. +40°C max.					60				Air connection		
	5			Allowable sound pressure level					61				dB(A)		
	6			Pipe identification No.					62				Supply press.	min.	max.
	7			NPS (inlet/outlet) : 1 1/2" thk/Sch. 40s					63				Bench range		
	8			Pipe material - AISI316					64						
	9			Pipe insulation					65						
	10			Design Conditions: PS90 TS-10+60					66						
	11			Pipe connection					67						
	12			Process fluid description					68				Natural Gas - CH4		
	13			Process fluid/status (liq. or gas)					69				gas		
	14								70				MFR.	Model	
	15				Min.	Norm.	Max.	Unit	71			Input signal OPEN/CLOSE 24Vdc			
	16			Flow Rate					72				Valve open at		
	17			Inlet press. P1					73				Valve closed at		
	18			Outlet press. P2					74				Type		
	19			Temperature T1					75				Air connection		
	20			Inlet density δ or M					76				Area classification: II 3G IIC T3		
	21			Vapour pressure Pv					77						
	22			Critical pressure Pc					78						
	23			Viscosity					79						
	24			Ratio of specific heats					80				MFR.	Model	
	25			Compressibility factor Z					81				Switch type: N. 2 MAGNETIC TYPE		
	26								82				Switching pos. OPEN / CLOSE		
	27			Shutoff diff. pressure Δp					83				Switch acting		
	28			Air supply : min					84				Area classification: II 3G IIC T3		
	29			Power failure pos (FO, FC, FL).					85						
	30								86				MFR.	Model	
	31			Calc. max. flow coef. C					87				Valve style		
	32			Calc. min. flow coef. C					88				De-energ.: control valve		
	33			Selected flow coef. C					89						
	34			Predicted sound pressure level					90				Air connection		Port. Size
	35			MFR					91				Electrical data		V Hz W
	36			Body type					92				Area classification		
	37			Flow direction					93						
	38			Pressure rating					94				Model		
	39			Nominal size					95						
	40			End conn. (flanged, welding, ..)					96				Model		
	41			1 1/2" - ANSI600 RF					97						
	42			End extensions					98				Model		
	43			Bonnet style					99						
	44								100				Model		
	45			Body/bonnet matl.					101						
	46			Trim					102				Tubing		Matl.
	47			Characteristic					103						
	48			Plug / stem matl.					104				Test certificate(s)		
	49			Guide / seat matl.					105				Other tests		
	50								106				Parts to be tested		
	51			Seat style					107						
	52			Trim coating					108						
	53								109						
	54			Saet leakage class (IEC 60534-4):					110				V		
	55			Packing matl.					111						
	56								112						
Remarks : SIL3 rated															
												Project		Dw ref. No.	
												Plant		Mat. req. No.	
Rev.	Date	Name	Rev.	Date	Name	P.O. No.						Item No.		Qty	

SestaLab PROGETTO CELLA3				ON-OFF SIL 3 VALVE DATA SHEET				Tag. No.		50FV1009			
								Q.ty		1			
1	2	3	4	5				1	2	3	4	5	
	1			Location: Sesta Lab				57				MFR.	Model
	2			Service				58				Type (pneumatic, electric, hydraulic) TBD	
	3			Haz.area class.				59				Style	
	4			Ambient temp. -10°C min. +40°C max.				60				Air connection	
	5			Allowable sound pressure level				61				dB(A)	
	6			Pipe identification No.				62				Supply press. min. max.	
	7			NPS (inlet/outlet) : 1 1/2" thk/Sch. 40S				63				Bench range	
	8			Pipe material - AISI316				64					
	9			Pipe insulation				65					
	10			Design Conditions: PS6 TS0+50				66					
	11			Pipe connection				67					
	12			Process fluid description JET-A1				68					
	13			Process fluid/status (liq. or gas) liquid				69					
	14							70				MFR. Model	
	15				Min.	Norm.	Max.	Unit	71			Input signal OPEN/CLOSE 24Vdc	
	16			Flow Rate				600				g/s	
	17			Inlet press. P1				6				bar (g)	
	18			Outlet press. P2								bar (g)	
	19			Temperature T1				30				° C	
	20			Inlet density δ or M								Kg/m3	
	21			Vapour pressure Pv									
	22			Critical pressure Pc								bar (a)	
	23			Viscosity								bar (a)	
	24			Ratio of specific heats									
	25			Compressibility factor Z									
	26							82					
	27			Shutoff diff. pressure Δp				6				bar (g)	
	28			Air supply : min max								bar (g)	
	29			Power failure pos (FO, FC, FL).								FC	
	30							86					
	31			Calc. max. flow coef. C								87	
	32			Calc. min. flow coef. C								88	
	33			Selected flow coef. C								89	
	34			Predicted sound pressure level								db(A) 90	
	35			MFR Model								91	
	36			Body type								92	
	37			Flow direction								93	
	38			Pressure rating								94	
	39			Nominal size								95	
	40			End conn. (flanged, welding, ..) flange								96	
	41			1 1/2" - ANSI300 RF								97	
	42			End extensions								98	
	43			Bonnet style								99	
	44											100	
	45			Body/bonnet matl.								101	
	46			Trim								102	
	47			Characteristic								103	
	48			Plug / stem matl.								104	
	49			Guide / seat matl.								105	
	50											106	
	51			Seat style								107	
	52			Trim coating								108	
	53											109	
	54			Saet leakage class (IEC 60534-4): V								110	
	55			Packing matl.								111	
	56											112	
Remarks : SIL3 rated													
						Project			Dw ref. No.				
						Plant			Mat. req. No.				
Rev.	Date	Name	Rev.	Date	Name	P.O. No.			Item No.		Qty		