

Item	Item Quantity TAG TAG notes	1 PCV-123					
General	ATEX PED (97/23/CE) Category NACE Piping diam. – Schedule Fluid/Fluid state Req. Min env. T/Min fluid T Req. Body Design P/T	Gr. II Cat. 3 Cat. II Not required 4"/6" - Schedula 40 / Steam superheated 20 C / 20 C					
Service Input	Sizing Conditions	Norm	Units	Add.case 1	Units	Add.case 2	Units
	Flow rate	4000,00	kg/h				
	Upstream pressure	9,50	bar.g				
	Downstream pressure	2,00	bar.g				
	DP	7,50	bar.g				
	Temperature	184,00	C				
Service Results	Remarks	critical flow Noise > 85 db;					
	Cv	35,00					
	CV oversize	42,00					
	Set Pressure	2,00	bar.g				
	Noise estimated at 1m	100,65	Db				
	Velocity on inlet line	25,23	m/s				
	Velocity on outlet line	40,98	m/s				
Comm. name	MM51/AF1-2/182			Valve Function	Reduction		
Body	Inlet/Outlet Size	3"		Inlet/Outlet conn.	PN 40		
	Body Material	ASME SA-216 WCC		Gaskets	NO ASBESTOS		
	Studs / screws	ASME SA-193 B7		Balancing System	Not Required		
	Nuts	ASME SA-194 2H					
Trim	Nozzle/Plug	7		Stem Guide	17-4 PH		
	Selected Cv	45,0		Plug (Mat.)	ASME SA-479 316		
	Seat material	316 S.S.		Seal Class	II		
	Seats number	2		Seal Material	Full Stellite Gr.6		
	Flow action	(To be defined)					
Actuator	Actuator dimension	182		Spring Range	1,01 : 3,9 bar.g (Spring code: 95/10)		
	Max p/T operating	7,7 bar.g / 90,0 C		Inverse Mount	Not required		
	Spring Case (Mat.)	ASME SA-216 WCC		Action on fail	Open		
	Diaphragm material	CR		Pressure sensing	External		
	N° of diaphragms	1		Constr. tightness	Open		
	Spring (Mat.)	CR-V STEEL		Condensate tank	Required		
Notes:	Portata massima in caso di rottura membrana = 5.128,4584 kg/h Valvola completa di barilotto di condensazione cod. 62 07 14369						
Filled by	MarabelliD	Phone	02 26991276	Date	28 Jan 2016		