

# CONTROL VALVE SPECIFICATIONS



# Masoneilan

Customer THE PEOPLE'S REPUBLIC OF CHINA  
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 Tag No. PV-5403-2

Item No. 8- 2  
 Date 2011/01/21  
 Serial No. ME12A0084-20  
 Quantity 1

BODY	Model No.	51-75683		Air Set	78-40	x 1			
	Body Type	ANGLE			78-40 W/GAUGE	x 1			
	Rating	ASME CLASS 1500		Booster Relay	BR200	x 2			
	End Connection	LARGE FEMALE		Transfer Valve or	78-80S	x 1			
	Flange Face Finish	AS PER STANDARD		Lock Up Valve	08-80S	x 1			
	Bonnet Type	STANDARD		Set Press.	4.5 kgf/cm2				
	Body Size	In. 18" Out. 20"		Volume Tank	0.3m3 (80gal.)	x 1			
	Trim Size	6"		Air Set	ARU3A-0415NG4510 W/G	x 1			
	Trim Form	SINGLE							
	Characteristic	LINEAR							
Rated Cv	* 700								
Leakage Spec.	CLASS 4								
MATERIAL	Body	A494 Gr.CW-2M		Solenoid Valve	Model No.	-			
	Plug	Titanium Gr 5			Energized	-			
	Seat Ring	Titanium Gr 5			De-Energized	-			
	Retainer or Cage	-			Manual Reset	-			
	Guide Bushing	Titanium Gr 5			Terminal Box	-			
	Stem	Titanium Gr 5			Elec.Supply	-			
	Gasket	T#1838R-GR-TTE			Elec.Conn.	-			
	Gland Packing	P#6610CL/P#6528			Elec.Class	-			
	Gland O-ring	-			Limit Switch	Model No.	496-257	x 1	
	Seal Ring	-				Position	Close x 1	Open x 1	
Conical Spring	-		Elec.Conn.	3/4"NPT					
ACTUATOR	Flow to	OPEN		Air Piping	Elec.Class	112GD Ex d IIC T6			
	Signal Increase to	-			Sig./Supply	-	/1/2"NPT		
	Fail Position	CLOSE			Tube Mat'l	316L ST.ST.TUBE			
	Actuator Type	CYLINDER			Fittings	DOUBLE-FERRULES			
	Size	#32			Color	Body	-		
	Spring Range	-				Yoke	RED		
	Supply Pressure	4.5 kgf/cm2				Act'r Case	RED		
	Rated Travel	88.9mm (3-1/2")				Handwheel	RED		
	Handwheel	D(SIDE)			SERVICE CONDITION	Fluid	PT1		
	Positioner Type	FOUNDATION FIELDBUS				Case	MAX		
Model No.	SEE BELOW		Flow Rate	kg/h		951991			
Input	Open	100 %	In.Press.	kgf/cm2G		85			
Signal	Close	0 %	Out.Press.	kgf/cm2G		50			
Elec.Conn.	1/2"NPT		Diff.Press.	kgf/cm2		35			
Elec.Class	112G EEx d IIC T5		Temp.	°C		285			
Model	-		Density	(Sp.Gr.)		0.833			
In./Out.Signal	-		Calculated Cv	247					
Elec.Conn.	-		Cv%/Signal%	35 / 34		/	/		
Elec.Class	-		Predicted SPL(dBA)						
Air Set	-		Shutoff Pr.	kgf/cm2G	P1 115	P2 0			
Mounting	-		Des.Press.	kgf/cm2G	120				
Lubr.&Isol.Valve	Yes		Des.Temp.	°C	-	Max 285			
Grease No.	CLIMAX #400								
Travel Stopper	-								
Max	-								
Min	-								

Note

- + Body Angle : 135 deg.
- + With Flushing Connection : 1/2" ASME Class 1500 LF (GLAND & PORT)
- \* Positioner is supplied by Customer
- \* Volume Tank is supplied by Customer
- Max. Shut-off Pressure = 115 kgf/cm2