

CONTROL VALVE SPECIFICATIONS



Masoneilan

Item No. 8- 2

Date 2017/03/22

Serial No. ME12A0084-20

Customer THE PEOPLE'S REPUBLIC OF CHINA

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Tag No. PV-5403-2

Quantity 1

BODY	Model No.	51-75683	ACCESSORIES	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.	1.5 kgf/cm ²	
	Body Size	1/2" 18" Out. 20"		Volume Tank	0.315 (0.022)	x 1
	Trim Size	6"		Air Set	ARU3A-0415NG4510 W/G	x 1
	Trim Form	SINGLE				
	Characteristic	LINEAR				
MATERIAL	Rated Cv	* 700	OTHERS	Solenoid Valve	Model No.	-
	Leakage Spec.	CLASS 4			Energized	-
					De-Energized	-
					Manual Reset	-
					Terminal Box	-
					Elec. Supply	-
					Elec. Conn.	-
					Elec. Class	-
ACTUATOR	Body	A494 Gr. CW-2M	LIMIT SWITCH	Model No.	496-257	x 1
	Plug	Titanium Gr 5		Position	Close x 1	Open x 1
	Seat Ring	Titanium Gr 5		Elec. Conn.	3/4" NPT	
	Retainer or Cage	-		Elec. Class	112GD Ex d IIC T6	
	Guide Bushing	Titanium Gr 5		Sig./Supply	-	1/2" NPT
	Stem	Titanium Gr 5		Tube Mat'l	316L ST. ST. TUBE	
	Gasket	T#1838R-GR-TTE		Fittings	DOUBLE-FERRULES	
	Gland Packing	P#5610CL/P#5610R		Body	-	
	Gland Ring	-		Yoke	RED	
	Seal Ring	-		Act'r Case	RED	
POSITIONER	Conical Spring	-	SERVICE CONDITION	Handwheel	RED	
	Flow to	OPEN		Fluid	PT1	
	Signal Increase to	-		Case	MAX	
	Fail Position	CLOSE				
	Actuator Type	CYLINDER		Flow Rate	kg/h	951991
	Size	#32		In. Press.	kgf/cm ² G	85
	Spring Range	-		Out. Press.	kgf/cm ² G	50
	Supply Pressure	4.5 kgf/cm ²		Diff. Press.	kgf/cm ²	35
	Rated Travel	88.9mm (3-1/2")		Temp.	°C	285
	Handwheel	D(SIDE)		Density	(Sp. Gr.)	0.833
TRANSDUCER	Positioner Type	FOUNDATION FIELDBUS	ACCESSORIES	Calculated Cv	247	
	Model No.	P5E BELOW		Cv%/Signal%	35 / 34	/ /
	Input	Open 100 %		Printed SP (BAR)		
	Signal	Close 0 %		Shutoff Pr.	kgf/cm ² G	0.115
	Elec. Conn.	1/2" NPT		Des. Press.	kgf/cm ² G	120
	Elec. Class	112G EEx d IIC T5		Des. Temp.	°C	-
	Model	-				
	In./Out. Signal	-				
	Elec. Conn.	-				
	Elec. Class	-				
ACCESS.	Air Set	-	Note			
	Mounting	-				
	Lubricant Valve	Yes				
	Grease No.	CLIMAX #100				
	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 Costomer
- Max. Shut-off Pressure = 115 kgf/cm²