


# SCV PNEUMATIC CYLINDER ACTUATOR DATA SHEET

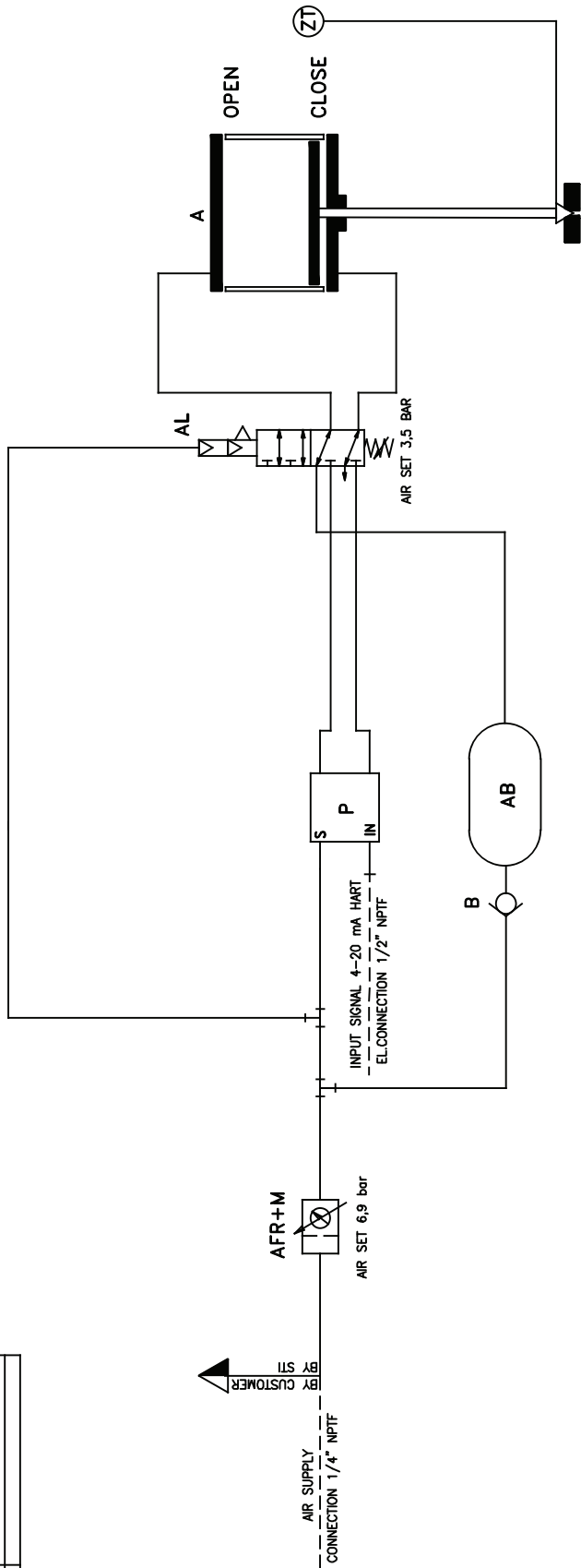
	Customer Name			Progressive datasheet	01	of	1
	Project name	TBA		Quantity	3	Customer Country	
	End User	TBA		Your reference TBA			
	Project number - Customer reference	VALVE ACTUATOR		Schematic	Q173780D01	Dimensional dwg -	
	PO	-	Dated	-	Wiring diagram	Assembly dwg -	
	MDI / STI job			Plant Location	IRAN		
	Serial numbers	-	-	MDI PM			
MDI Quotation			Tag	TBA			

VALVE	1	Valve Model			60	Air lock (Lock-up + 2 x 3 way valves)	Size	AL101 1/4"	
	2	Valve Application / Service	CONTROL VALVE		61		set	3,5	barg
	3	Ambient condition	STANDARD		62		Material	Aluminum	
	4	Thrust	N	to open	-	N	Qty	Size	
	5			to close	-	N	Material		
	6			to seat	-	N	Qty	Size	
	7	Valve weight			kg		Material	Man./Model	
	8	Valve plug weight			kg		Qty	Size	
ACTUATOR - GENERAL FEATURES	9	Spring model			-		Material		
	10	Actuator Thrust N			15520		Qty	Size	
	11	Design temperature range	STANDARD	-20	70	°C	Material		
	12	Accessories electrical certification			Ordinary Location		Material		
	13	Enclosure rating / Protec class			IP 66		Manuf.	NORGREN	Model B72 Aluminum
	15	Electrical certs required			NO		Size	1/4"	set 0,7 Mpag
	16	ATEX actuator			NO		Model	Integral into positioner	
	17	1 PED actuator/Class	YES	SEP			EI. Certific.	CE	
	18	ACTUATOR type			DOUBLE ACTING		Type	Contact type	
	19	Type of service			MODULATING		Model		
	20	Size (mm) / Modulating stroke	mm	SC/V	200	Stroke	65	Position	
	21	Mechanical stroke	67	extrastroke	2		EI. Certific.		
	22	Manual override / Mounting position			NO		Manuf.	Qty	
	23	Actuator stem at 0% signal			STANDARD - Extended		Model	Type	
SOLENOID	24	Actuator orientation			Vertical		Size	Material body	
	25	End caps material	Standard execution		Aluminum casting		Voltage	Way	
	26	Cylinder material	Standard execution		Aluminum casting		EI. Certific.		
	27	Stem bellows	-	Tie Rod	NO		Enclosure		
	28	Stem material	-	Bushing material	Aisi 316		Manufacturer		
	29	Air failure mode			CLOSE		Model		
	30	Stroke time	to Open	<=	5	s	Material		
	31		to Close	<=	5	s	EI. Certific.		
	32		Trip Close	<=		s	Enclosure		
	33		Trip Open	<=		s			
UTILITIES	34	Feed fluid type			AIR		Manuf.	Model.	
	35	Min / Max supply pressure	0,50	/	0,75	Mpag	Manuf.	Model	
	36	Air connection	1/4"		NPT		Material	CARBON STEEL	
	37	Electrical connection			1/2" NPTF		Material	CARBON STEEL	
YOKE	38	Yoke / Stem connector to be supply by			Customer		Open/Close	At %	
	39	Yoke Material			Carbon steel		Manuf.	Model	
	40	Bonnet connection			...		Tubing size	Metric	Material Aisi 316L
	41	Stem projection (seated)			mm		Fitting mat.	Aisi 316L	Manufact. HY-LOK
	42	Stem connector (Actuator side / Valve side)			M18x1,5		Painting specification	STANDARD BLUE RAL 5002 CV01	
POSITIONER	43	Manufacturer and model			FT-1/4"		Notes		
	44	Electrical certification			CE		Size liters	4,2	Mounting On board
	45	Inlet signal			4-20 mA Hart		Certification	CE	Port connection 1/4" NPTF
	46	Valve characteristic			LINEAR		Material	Aisi 304	Supplied by STI
	47						Size	1/4"	Material Aluminum
	48	Valve action by increasing signal			OPEN		1) Original positioner series UP/L-1/4" is upgraded with smart FT positioner		
	49	Separated IP transducer	Model			Integral	model FT-I00ADRA (option : LCD display and push-buttons included)		
	50	Gauges	Material Aisi 316	Scale	bar/psi	Nr.	2	2) Original actuator to be replaced : serial number A041755	
	51	Snap acting function			Set				
	52	Motion converter material			Aluminum				
REMARKS	53								
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PARTS LIST

ITEM	DESCRIPTION	MANUFACTURER	QTY	REMARKS
A	ACTUATOR	STI	1	50/1/200
P	POSITIONER	STI	1	BT-100ARA
AFR	AIR FILTER REGULATOR	NORGREN	1	B726 ND 1/4"
Z1	FEEDBACK TRANSMITTER	STI	1	INTO FT-100ARA
AL	AIR LOCK DEVICE	STI	1	AL101 ND 1/4"
B	CHECK VALVE	SILVER	1	ND 1/4"
M	GAUGE	MICRAMISURE	1	DM60
AB	AIR TANK	STI	1	4.2 LITERS



SIZE D DRAWING NUMBER

REVISION - - SHEET 1 OF 1

REV.	A	21/11/17	FIRST ISSUE	B.CARRARA	ESEGUITO	CONTR./APPROV.	-		
		DATA	DESCRIZIONE DELLA REVISIONE	SOSTITUISCE IL	SOSTITUISCE IL				
 <b>PNEUMATIC DIAGRAM</b> PRELIMINARY - NOT BINDING				Q173780TD01	Q173780TD01	Q173780TD01.dwg	Id. N°		
				REV.					

CONTROL LOGIC			
AIR SUPPLY	OK	OK	FAIL
SIGNAL	OK	FAIL	ANY
VALVE POSITION	MODULATING	CLOSE	CLOSE