SUNTESI: SHUT-OFF VALVE

This device separates the compressed air circuit from the main air supply. It is a three-way valve that relieves the downstream system in the closed position. This makes it useful for maintenance operations or when the air supply to a machine or piece of equipment needs to be shut off. Manual, pneumatic, electro-pneumatic and assisted electro-pneumatic control versions are available. The last version must be used if the inlet pressure is outside the electro-pneumatic valve operating range, so for particularly low or high pressures.

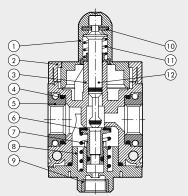
The version with manual control can be locked and you can enter up to two padlocks on size 1 and up to three on size 2 when the valve is in the closed position. As an alternative, a version with a single Ø7 hole is available for a single padlock. On the front and back there is a port (1/8" for size 1 and 1/4" size 2) that can be used with pressure gauges, pressure switches or as an additional air intake.



TECHNICAL DATA		V3V SY1		V3V SY2						
Threaded port		1/8″	1/4"	3/8"	3/8″	1/2"	3/4"	1"		
Threaded discharge port			1/8″		·	1/	'4"	'		
Type of control	Manual - pneu	matic - Elpn - Elp	n pilot-assisted	Manual - Pneumatic - Cnomo elpn - Cnomo elpn pilot-assisted						
Max inlet pressure for pneumatic and solenoid pilot-assisted versions	bar		15		13					
	MPa		1.5			1	.3			
	psi		217				88			
Inlet pressure for solenoid version	bar		3 - 10			3 -				
	MPa		0.3 - 1			0.3	-			
	psi		43 - 145			43 -				
Pilot pressure for pneumatic and solenoid pilot-assisted versions	bar		3 - 10		3 - 10					
	MPa		0.3 - 1			0.3	· · ·			
	psi		43 - 145			43 -				
Flow rate at 6.3 bar (0.63 MPa; 91 psi) ΔP 0.5 bar (0.05 MPa; 7 psi)	NI/min	800	1000	1100	2800	3000		3000		
	scfm	28	35	39	99	106		106		
Flow rate at 6.3 bar (0.63 MPa; 91 psi) ΔP 1 bar (0.1 MPa; 14 psi)	NI/min	1100	1500	1600	3600	4000		4000		
	scfm	39	53	57	127	141.5		141.5		
Exhaust flow rate at 6.3 bar (0.63 MPa; 91 psi)	NI/min			500 2000						
	scfm					•				
Min/max temperature at 10 bar; 1 MPa; 145 psi	°C		From -10 to +50)	From -10 to +50					
Padlockable knob		107	100	100	Included	440	1.15	1 400		
Weight Fluid	9	197	192	183	476	449	445	433		
		Compressed air or other inert gases								
Mounting position		In any position 1/8", front and rear 1/4", front and re								
Additional air take-off, for pressure gauges or fittings Additional air take-off flow rate at 6.3 bar	1,	/ 8 , rront and re 500	ar	1/4", front and rear 1500						
(0.63 MPa; 91 psi) ΔP 1 bar (0.1 MPa; 14 psi)	NI/min scfm	18			53					
Wall fixing screws	SCIIII	No. 2 M4 screws			No. 2 M5 screws					
Bobbin capacity for electro-pneumatic version		12 VDC and 24 VDC = 2W; 24 VAC, 110 VAC and 220 VAC = 3.5 V								
Manual control of electro-pneumatic versions		Bistable: horizontal = OFF, vertical = ON								
Manda control of electro-pheomatic versions		Disignie. Horizoi			12011Iui – Oi 1, Vi	zilicui – Oi4				

COMPONENTS

- 1 Technopolymer knob
- ② Technopolymer hinge③ Technopolymer body
- 4 NBR o-ring gasket
- IN/OUT bushing made of OT58 nickel-plated brass or passivated aluminium for 3/4" - 1'
- OT58 brass valve with NBR vulcanized gasket
- Transfer of the street of the
- Technopolymer plug
- OT58 brass threaded insert
- Zinc-plated steel plate for knob locking (stainless steel for anti-corrosion version)
- Stainless steel spring stem recovery
- ① OT58 brass stem



V10 - Steel plate with Ø3.5 holes for locking with 2 padlocks (SY1) or 3 padlocks (SY2).



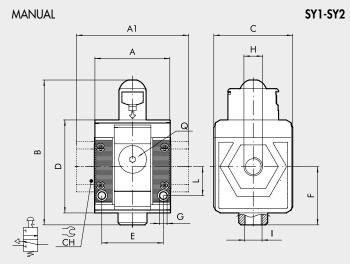


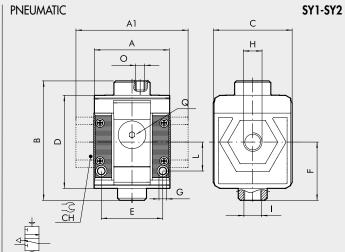
V11 - Steel plate with a single Ø7 hole for docking with a single padlock (compatible with most of the padlocks available from the trade with a Ø5mm arch).



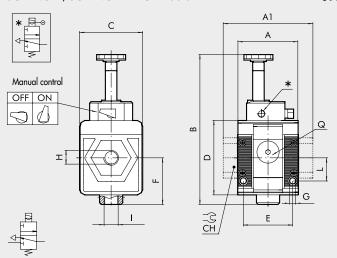


DIMENSIONS

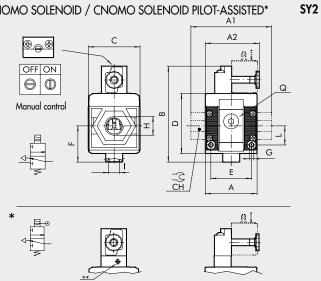




SOLENOID/SOLENOID PILOT-ASSISTED*



CNOMO SOLENOID / CNOMO SOLENOID PILOT-ASSISTED* $_{\rm A1}$



N.B.: Before assembling other Syntesi elements after the V3V, remember to mount the coil on the V3V itself.

	MANUAL						PNEUMATIC					SOLENOID/SOLENOID PILOT-ASSISTED			CNOMO SOLENOID/CNOMO SOLENOID PILOT-ASSISTED			
	SIZE 1		SIZE 2			S	SIZE 2			SIZE 1			SIZE 2					
H (threaded port)	1/8" 1/4"	3/8"	3/8"	1/2" 3	/4" 1"	1/8" 1	/4" 3/8"	3/8"	1/2"	3/4"	1″	1/8"	1/4"	3/8"	3/8"	1/2"	3/4"	1″
Α	42		60.5		42		60.5			42		60.5						
A1		44	-	-	95 95	-	- 44	-	-	95	95	-	-	44	-	-	95	95
A2	- '		-		-		-			-		65						
В	80		109			66		94			104		-					
Cnomo -		-		-			-			-		113						
Cnomo pilot ass.	t ass		-		-		-			-		126						
С	44		61			44 61			44		61							
CH	-		32 36			- - - 32 36		36	-		- - 32 36							
D	51.5		70.5		51.5			70.5			51.5		70.5					
E	33.5		47.5			33.5			47.5			33.5		47.5				
F	32.2		42.7			32.2			42.7			32.2		42.7				
G	Hole for M4 screws		Hole for M5 screws			Hole for M4 screws		Hole for M5 screws			Hole for M4 screws		Hole for M5 screws					
I (exhaust)	1/8″		1/4"			1/8" 1/4"		1/8″		1/4"								
L	16		22.5		16		22.5		16		22.5							
O (pilot)	r) -		-		M5 1/8"		8″		-			-						
Q (no. 2 additional 1/8"			1/4"		1/8" 1/4"			1/8″		1/4"								
air takes-off)																		
** Pilot	-						-						M5			Μ	5	

KEY TO CODES

56	1	1	٧	10	1
SYNTESI	SIZE	THREADED INPUT CONNECTION	ELEMENT	ТҮРЕ	THREADED OUTPUT CONNECTION
56 Syntesi 5X Syntesi anti-corrosion	1 Size 1 2 Size 2	 Without bushing 1/8" port 3/8" port Without bushing 3/8" port 1/2" port 3/4" port 1/2" port 1/2" port 	V Shut-off valve	 10 Manual with Ø3.5 hole for padlocks ★ 11 Manual with Ø7 hole for padlock ● 20 Pneumatic ● 30 Solenoid pilot-assisted ● 70 Solenoid 	 Without bushing 1 1/8" port 2 1/4" port 3 3/8" port 0 Without bushing 3 3/8" port 4 1/2" port 5 3/4" port 6 1" port

- Compatible with most of the padlocks available from the trade with a Ø5mm arch.
 Not available in the anti-corrosion version.

PURCHASE ORDER CODES HAVING A MORE FREQUENT USE

N.B. Besides the below mentioned codes, you can order elements composed at your will according to the key to codes.									
Code Description		Code	Description	NOTE					
Syntesi _® SY1 SHUT-OFF VALVE		Syntesi _® SY2	SHUT-OFF VALVE	Anti-corrosion version					
5610V100	V3V SY1 manual without bushings	5620V100	V3V SY2 manual without bushings	5X					
5611V101	V3V SY1 1/8 manual	5623V103	V3V SY2 3/8 manual	Example					
5612V102	V3V SY1 1/4 manual	5624V104	V3V SY2 1/2 manual	5X11V101	V3V SY1 1/8 anti-corrosion				
5613V103	V3V SY1 3/8 manual	5625V105	V3V SY2 3/4 manual						
		5626V106	V3V SY2 1 manual						
5610V200	V3V SY1 pneumatic without bushings								
5611V201	V3V SY1 1/8 pneumatic	5620V200	V3V SY2 pneumatic without bushings						
5612V202	V3V SY1 1/4 pneumatic	5623V203	V3V SY2 3/8 pneumatic						
5613V203	V3V SY1 3/8 pneumatic	5624V204	V3V SY2 1/2 pneumatic						
	·	5625V205	V3V SY2 3/4 pneumatic						
5610V300	V3V SY1 elpn pilot-assisted without bushings	5626V206	V3V SY2 1 pneumatic						
5611V301	V3V SY1 1/8 elpn pilot-assisted		·						
5612V302	V3V SY1 1/4 elpn pilot-assisted	5620V300	V3V SY2 elpn pilot-assisted Cnomo without bushings						
5613V303	V3V SY1 3/8 elpn pilot-assisted	5623V303	V3V SY2 3/8 elpn pilot-assisted Cnomo						
		5624V304	V3V SY2 1/2 elpn pilot-assisted Cnomo						
5610V700	V3V SY1 elpn without bushings	5625V305	V3V SY2 3/4 elpn pilot-assisted Cnomo						
5611V701	V3V SY1 1/8 elpn	5626V306	V3V SY2 1 elpn pilot-assisted Cnomo						
5612V702	V3V SY1 1/4 elpn								
5613V703	V3V SY1 3/8 elpn	5620V700	V3V SY2 elpn without bushings						
	·	5623V703	V3V SY2 3/8 elpn						
		5624V704	V3V SY2 1/2 elpn						
		5625V705	V3V SY2 3/4 elpn						
		5626V706	V3V SY2 1 elpn						
			·						

NOTES