

 **Sourcetek**
ISOLATION VALVE



*The future is clean air ... the future is **Sourcetek**[®]*

ISOLATION VALVE



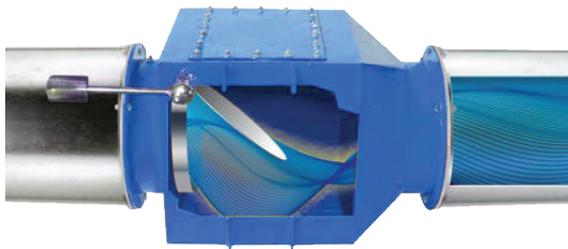
- Sourcetek Isolation Valves are designed to prevent explosion and deflagration from dispersing back through the duct system and possibly out into the work environment.
- The valve's operation is passive (or flow actuated), meaning that no external input device is required to close the flap blade when a deflagration occurs.
- The valve is ideal for use due to its simple, dependable design and the low installation, maintenance and monitoring costs.
- ATEX certified.
- Heavy duty welded steel construction.
- Flanged inlet and outlet.
- Inspection/access door.
- Locking mechanism.
- Grounding lug.

Certified: ATEX EN15089 & EN16447  

The Sourcetek Isolation Valve is 100% NFPA 69-2014 compliant with the **following options:**

1. Micro-switch for system shut down.
2. Dust level sensor.
3. Control panel for integration/sensor power.

*The installation of an Explosion Isolation Device on all suction side ducts that transport material with a KST value above zero is an NFPA requirement.



Air Flow



Explosion / Deflagration

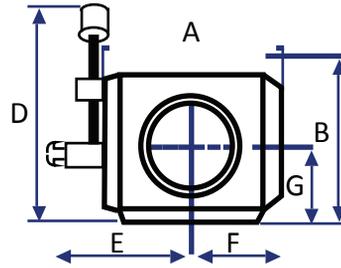
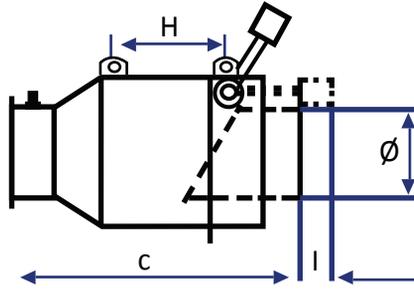


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TECHNICAL SPECIFICATIONS

No Return Valve (NRV) Dimensions (Sizes 7" to 28")

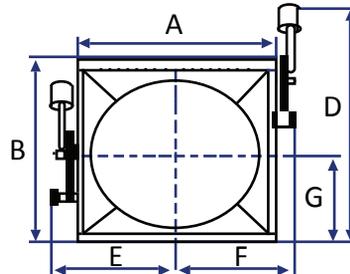
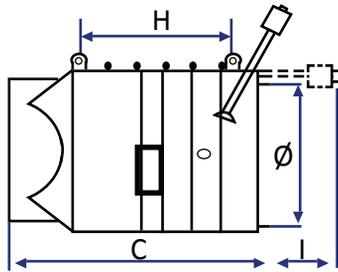


RATED FOR

Class ST 3 Applications
Kst max 400 bar m/s
 P_{red} 0.5 bar

Model No.	Size Ø	A	B	C	D	E	F	G	H	I	LBS
SIV 7	7"	14.1	13.3	21.6	13.3	11.8	7.0	6.6	-	-	45
SIV 8	8"	14.1	13.3	21.6	13.3	11.8	7.0	6.6	-	-	45
SIV 10	10"	16.1	15.3	23.6	15.3	12.7	8.0	7.6	-	-	56
SIV 12	12"	18.1	17.3	26.3	23.6	13.7	9.0	8.6	-	4.5	84
SIV 14	14"	20.0	19.2	28.3	25.5	14.7	10.0	9.6	-	4.5	100
SIV 16	16"	22.0	23.2	30.3	29.5	15.7	11.0	10.6	13.7	6.4	120
SIV 18	18"	24.0	25.1	32.2	33.2	16.7	12.0	11.6	15.7	8.4	150
SIV 20	20"	25.9	27.1	34.2	34.2	17.7	12.9	12.5	18.1	12.4	177
SIV 22	22"	27.9	29.1	36.2	36.2	18.7	13.9	13.5	19.6	8.4	221
SIV 24	24"	29.9	31.1	38.1	38.1	19.6	14.9	14.5	21.6	10.4	254
SIV 26	26"	31.8	33.0	40.1	40.1	20.6	15.9	15.5	23.8	12.4	276
SIV 28	28"	33.8	35.0	42.1	42.1	21.6	16.9	16.5	25.5	12.4	298

No Return Valve (NRV) Dimensions (Sizes 32" to 40")



RATED FOR

Class ST 2 Applications
Kst max 299 bar m/s
 P_{red} 0.25 bar

Model No.	Size Ø	A	B	C	D	E	F	G	H	I	LBS
SIV 32	32"	38.5	40.1	52.3	56.4	25.9	25.9	18.8	28.1	14.1	728
SIV 36	36"	42.5	44.5	56.2	60.4	27.9	27.9	20.8	27.9	14.1	860
SIV 40	40"	46.1	48.0	60.2	64.3	29.9	29.9	22.8	35.8	14.1	999

NRV Pressure Drop for Sizes 7" to 14" is 0.39" / Sizes 16" to 40" is 0.63"



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