

Sourcetek



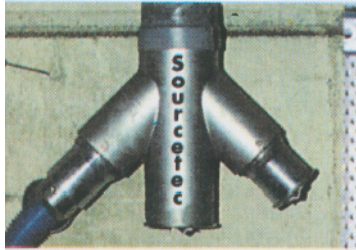
• HIGH & MEDIUM VACUUM SYSTEMS

WELDING, FUME, DUST & VACUUM CLEANING EXTRACTION SYSTEMS WITH MANY APPLICATIONS

The Sourcetec welding, fume and vacuum cleaning systems are both efficient and flexible and amongst the most versatile available. The modular construction adapts to any design requirement. Expansion or alterations are easily accommodated. The illustration shows a typical application in a welding/plating workshop. The Sourcetec high vacuum system can be used for all types of welding processes for grinding and for vacuum cleaning. Connection points are provided in convenient positions. Easy handling is ensured by the use of small bore, flexible hose (20-38 mm dia.) and lightweight suction heads. The Sourcetec system extracts small volumes of air, only 50-200 M3/h per welder. Considerable savings in workshop heating costs can therefore be obtained, compared to conventional ventilation systems. With correct usage, the Sourcetec extraction system is guaranteed to comply with existing threshold limit values for air contaminants.



6 Vacuum cleaning equipment, complete with independent separator/dust container, can be plugged into any outlet. A complete choice of cleaning nozzles are available.



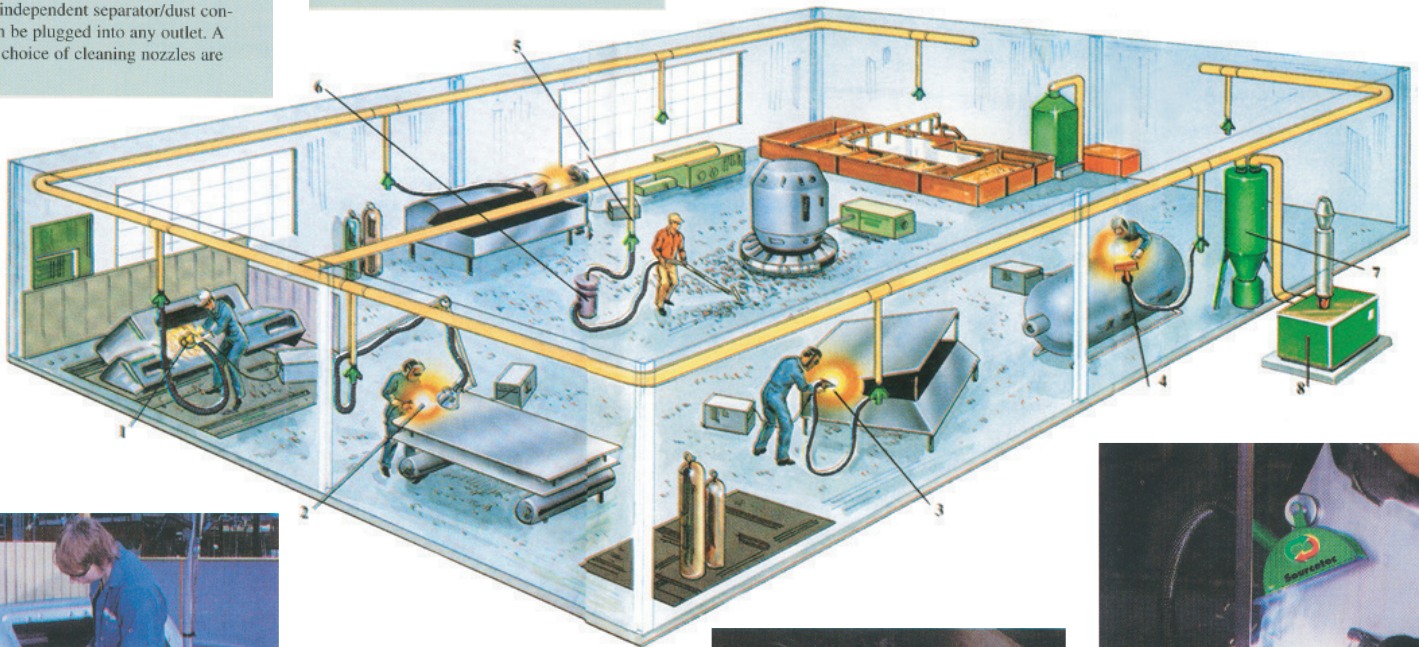
5 The wall outlets and floor valves are supplied in steel or aluminum.



7 Various types and sizes of cyclone filters are available, with the option of manual or automatic filter cleaning.



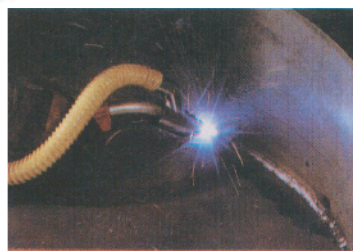
8 The extraction units are available in different capacities, are of a robust construction and are supplied in acoustically insulated, weather-proof housing.



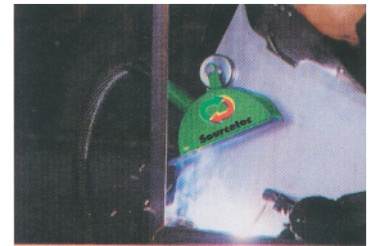
1 Central extraction for all grinding processes. The system can be adapted to suit bench grinders, belt grinders and portable angle grinders.



2 Flexible arms, providing both horizontal and vertical movement, can be incorporated in the system. The arms are available in various lengths.



3 For MIG/MAG welding, Sourcetec supply efficient suction heads for fitting to existing welding guns. Guns with integral suction can also be connected to the central extraction system.



4 For arc welding, several types of suction head are available to suit all applications. The heads are held in place magnet or suction cup.

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

WELDING, FUME, DUST & VACUUM CLEANING EXTRACTION SYSTEMS WITH MANY APPLICATIONS

DESCRIPTION:

The Sourcetek extraction units are of a robust construction, designed for continuous operation. Supplied in weatherproof housing, complete with turbine, fully enclosed electric motor, electric start cabinet with direct start, ampere meter, hour meter, pneumatic start valve, silencer and jet outlet hood. Star Delta starter available to order.

TECHNICAL SPECIFICATION:

Extraction units:

Type	m ³ /h	Vacuum mm WG	Main ducting		External measurements mm			Motor kW	Approx. Weight kg
			Max. length m	Diam. mm	L	W	H		
HSV - 5	350	2.000	45	75	840	670	780	5,5	145
HSV - 6	600	2.000	60	160	1275	815	900	11	275
HSV - 10	1000	1.900	100	160	1275	815	900	15	325
HSV - 15	1500	2.000	150	160	1275	815	900	18,5	350
HSV - 20	2.000	2.000	200	160	1840	1190	1255	22	875
HSV - 25	2.500	2.000	250	160	1840	1190	1255	30	900
HSV - 30	3.000	2.000	300	200/160	1840	1190	1255	37	925
HSV - 35	3.500	2.000	350	200/160	1840	1190	1255	39	925

The cyclones are available with a choice of filters, depending on application. Automatically controlled filter cleaning is carried out with compressed air.

The frequency and duration of the cleaning period is adjustable. Cyclone filters must be installed indoors

Cyclone Filters:

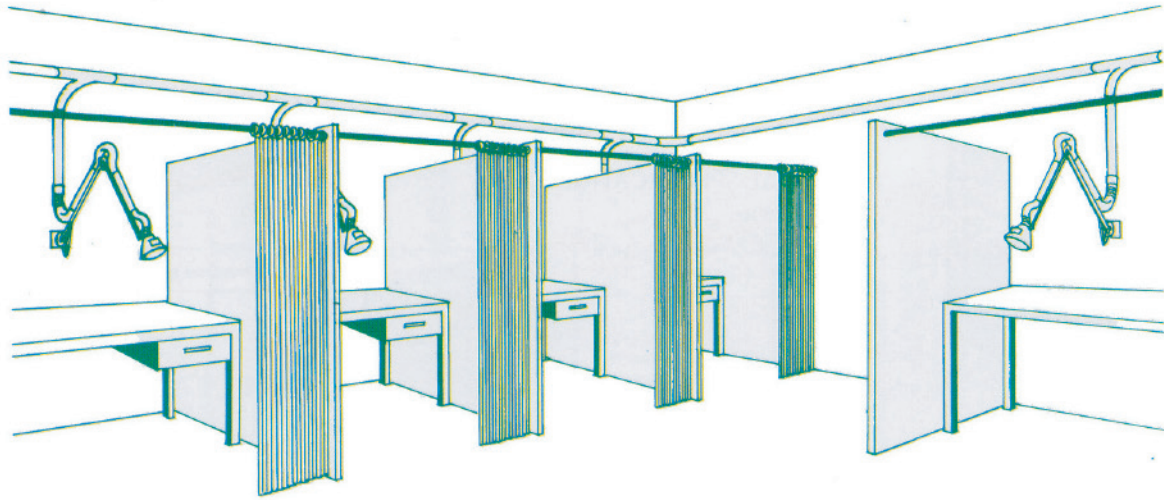
Type	For extraction unit type	External measurements mm			Volume dust container liter	Filter area m ²	Effect %	Weight kg
		Width	Diameter	Height				
CYM-1500 Manual cleaning	HSV-5 HSV-6	870	570	1940	60	13	99.9	100
CYA-1500 Automatic cleaning	HSV-10 HSV-15	870	570	2140	60	24	99.9	120
CYM-3500 Manual cleaning	HSV-20 HSV-25	1230	800	2800	60	24	99.9	205
CYA-3500 Automatic cleaning	HSV-30 HSV-35	1230	800	2975	60	24	99.9	234
Separator SB-50	All	—	370	665	50	2.2	99.9	15
Separator SB-100	All	—	490	745	100	2.2	99.9	20

Cyclone Without Filters:

CYS-1500	HSV-5 HSV-6	870	570	1940	60
	HSV-10 HSV-15	870	570	2140	60
CYS-3500	HSV-20 HSV-25	1230	800	2800	60
	HSV-30 HSV-35	1230	800	2975	60

We reserve the right to alter technical specifications.

MEDIUM VACUUM SYSTEM



The Sourcetek medium vacuum extraction system for welder training centres and fixed work areas, extracts two to three times less air than standard low vacuum systems; i.e. only 400 m³/h per operator. The system has a low noise level and is available in a choice of capacities depending on the number of extraction points required. The system can also be used for extraction of dust from various applications or stationary grinders.

TECHNICAL SPECIFICATION:

Extraction units:

Type	Simultaneous no. of operators	m ³ /h	Vacuum mm WG	Main Ducting Diameter	External dimensions of housing mm			Motor kW	Weight kg
					Length	Width	Height		
MSV-2	5	2.000	400	200	1.825	1.175	1.250	4	750
MSV-4	10	4.000	400	250	1.825	1.175	1.250	7,5	800
MSV-6	15	6.000	400	315	1.825	1.175	1.250	11	825
MSV-8	20	8.000	400	400	1.525	1.525	1.340	15	875

The extraction units are supplied complete with direct start, (YD start available at additional cost) silencer, jet outlet hood and vibration dampers. Weatherproof insulated housing available as an optional extra.

Flexible Arms

Type	Reach mm	Flexible hose diam. mm
HMAS-172	1.500	76
HMAS-192	2.500	76
HMAS-212	3.500	76

The flexible arms are manufactured in hollow square section, fitted with flexible extraction hose and suction hood. Dia. 115 mm, with flow adjustment damper. Available with wall or ceiling mounting bracket - please specify.

Filter unit with strainer:

Type	External dimensions mm			Weight kg
	L	W	H	
SSK-4	800	800	1.950	200

The filter unit has a cartridge with four drawers for filter panels with an inspection door.

We reserve the right to alter technical specifications without notice.



Sourcetek

Sourcetek Industries Ltd.

Mississauga, Ontario, Canada
Tel: (905) 678-9333 Fax: (905) 678-7133
Holland, Ohio, USA 1-800-784-2383

www.sourcetekindustries.com
E-mail: sales@sourcetekindustries.com

We reserve the right to change specifications without notice.

