

SOMDAS[®]

The Largest Manufacturer in China For

Filter Drier
Strainer
Accumulator
Access Valve





SOMDAS[®]

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Company Profile

SOMDAS ---- The Largest Manufacturing Plant in China For:
Copper Filter Driers, Strainers, Accumulators and Access valves.

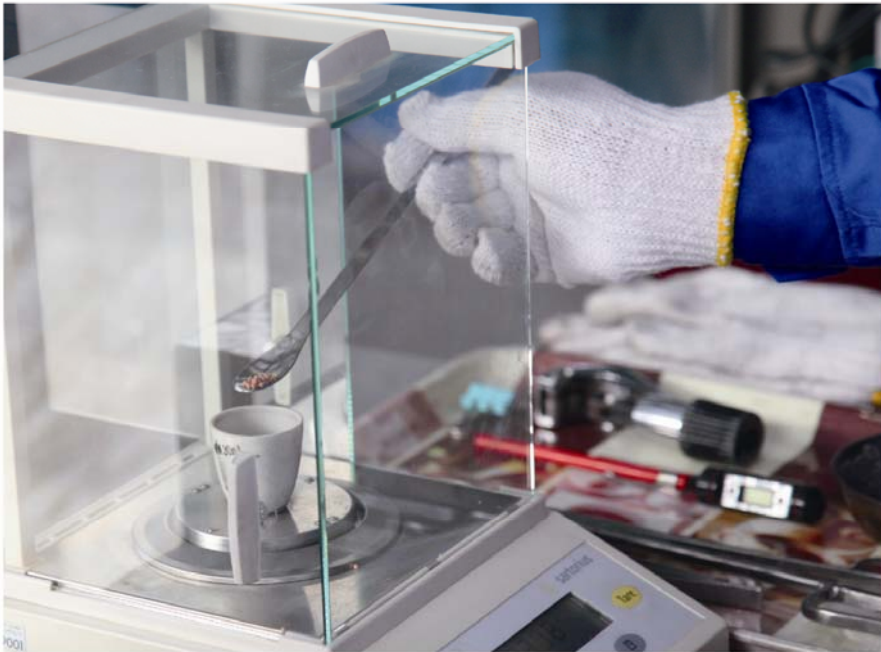
Founded in 2000 as a young but vigorous company, SOMDAS has been under a rapid development since. With the unceasing endeavor by her staff, SOMDAS had extended its production plant six times, and has been continuously expanding the production lines.

Now with a plant covering 50,000 m², SOMDAS is proud to have an annual production capacity exceeding 100 million units.

SOMDAS commits to be a reliable supplier for both products and service.

- Manufacturing plant location: Zhangzhen industrial park, Shangyu city, Zhejiang province, China
- Sales office: Ningbo city, Zhejiang province, China
- Turnover: 33.6 million USD
- Factory site: 50,000 square meter
- Staff: 150 persons
- Quality management: ISO 9001:2000.
- Environmental management: ISO 14001:2004 & ROHS.
- Occupation health and safety management: GB/T28001-2001.





SOMDAS defines quality as a responsibility that is to be met by all its employees.

Strict monitoring of the incoming material is just the first step to guarantee the high quality standard of SOMDAS products. Products are carefully inspected at every stage of their production according to internal standards and test procedures to ensure that the specified quality features are maintained during all production steps.

QA inspection is the last but not least step before the finished products dispatch. Only when the finished products comply with all points specified in the order confirmation, they can be released for dispatch.

Quality Assurance

SOMDAS quality management system is certified to ISO 9001:2000

SOMDAS believes quality means not only meeting customers' requirements, but also exceeding those requirements in its professional view.

All SOMDAS products are produced on high-capacity, automatic facilities and carefully inspected at every stage during production.

SOMDAS is dedicated to continuous improvement regarding to the products and services provided.

Environmental Statement

SOMDAS is certified in accordance with ISO 14001:2004 and ROHS certificate

As a manufacturer, SOMDAS is committed to leading the industry in minimizing the impact of its activities on the environment. Started from 2006, SOMDAS's product lines were qualified as "Halogen-Free" as defined per ROHS certificate.

SOMDAS will continue to set higher environment objective and strive to minimize waste and use electricity efficiently as possible.

Health and Safety

SOMDAS now is a GB/T28001-2001 certified manufacturer

SOMDAS maintains a safety and health program as a high priority. We believe that continuous improvement in health and safety performance is equally important as productivity and quality.



Production

Automation and patent make reliability.

In SOMDAS, all stages of the manufacturing are equipped with high-performance, largely automated facilities which are entirely designed and developed by SOMDAS staff and patented.

SOMDAS believes automated production can maximize the reliability and minimize the waste and the risk of defected products.

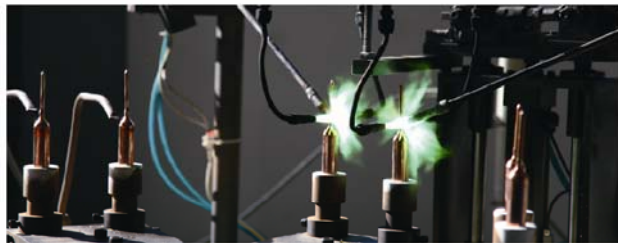
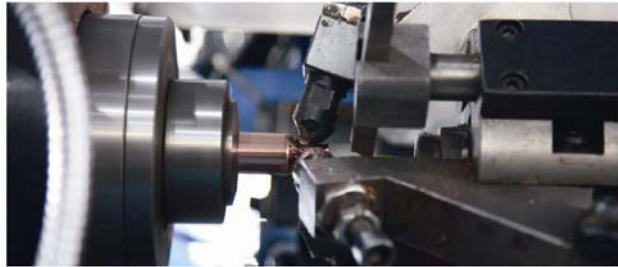


The production begins...

The production begins with ultra-sonic cleaning (instead of acid pickling, to comply with ROHS requirement) to remove contaminants.

Cleaned shells are delivered to next step: outlet formation. Pre-cut copper tube shells are necked down to specified size at one end as outlet. Screen is forced into the shell from the other end, and then follows the required molecular sieves before the baffle sits into the shell firmly by a correct push. Finally the inlet is shaped.

For welding type filters, the capillary copper tube will be welded seamlessly by Propane gas through 800 degrees centigrade.



Material

Reliable quality begins with the best raw material.

Copper Shell All the shell of SOMDAS's copper filter driers, strainers and accumulators are made of high quality copper tube (Cu-DHP), which is corrosion-resistant and easy for welding.

Screen SOMDAS offers the 200 mesh screens for its filter driers and strainers, which can provide excellent performance of filtering foreign dirt.

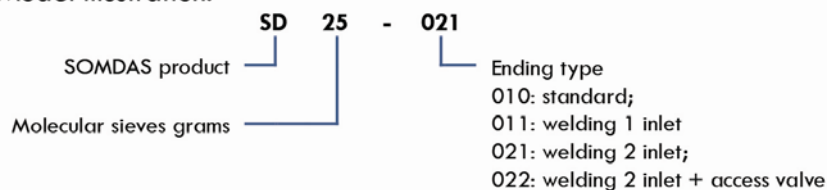
Molecular Sieve Molecular sieve is the most critical component for the filter driers. SOMDAS use XH-9 as the standard molecular sieve applies for all its driers.



Filter Drier

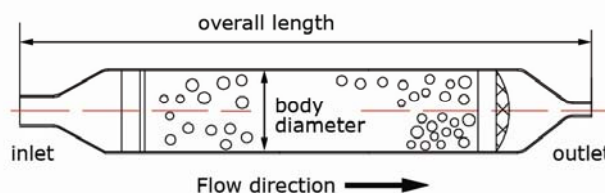
SOMDAS copper filter driers are designed to absorb moisture and acid, and to filter out impurities. Normally be installed as component and replaced as repair part for both domestic and commercial refrigerators, freezers.

Model illustration:

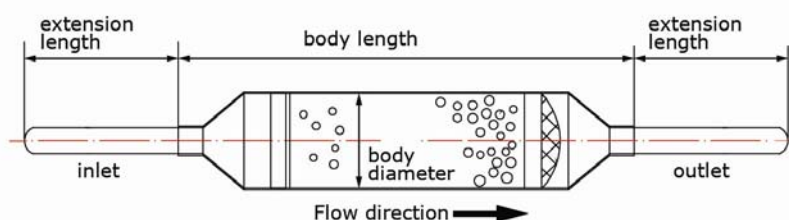


- Body shell ▶ Cu-DHP
- Molecular sieves ▶ 100% XH-9
- Screen ▶ 200 mesh
- Availability ▶ Compatible with all refrigerants
- Wall thickness ▶ 5 – 20g: 0.40mm; > 20g: 0.50mm
- Ends ▶ Sealed with plastic cap/plug
- Inlet ▶ 6.5mm
- Outlet ▶ 2.5mm

Note: all sizes are SOMDAS standard, other size can be made on request.

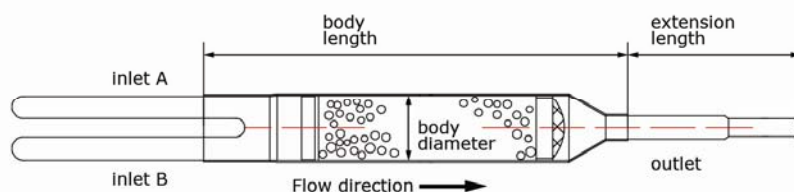


Model	Molecular Sieves +5%, -0%	Body diameter ±0.10mm	Overall length ±2mm	Screen Depth ±2mm
SD05-010	5g	16	80	24
SD07-010	7g	16	90	24
SD10A-010	10g	16	115	24
SD10B-010	10g	19	100	26
SD12-010	12g	19	105	26
SD13-010	13g	19	110	26
SD15-010	15g	19	115	26
SD18-010	18g	19	128	26
SD20A-010	20g	19	141	26
SD20B-010	20g	24	120	28
SD25-010	25g	24	125	28
SD30-010	30g	24	140	28
SD35-010	35g	24	155	28
SD40-010	40g	24	170	28
SD50-010	50g	29	160	30



Model	Molecular Sieves +5%, -0%	Body diameter ±0.10mm	Body length ±2mm	Screen Depth ±2mm
SD05-011	5g	16	80	24
SD07-011	7g	16	90	24
SD10A-011	10g	16	115	24
SD10B-011	10g	19	100	26
SD12-011	12g	19	105	26
SD13-011	13g	19	110	26
SD15-011	15g	19	115	26
SD18-011	18g	19	128	26
SD20A-011	20g	19	141	26
SD20B-011	20g	24	120	28
SD25-011	25g	24	125	28
SD30-011	30g	24	140	28
SD35-011	35g	24	155	28
SD40-011	40g	24	170	28
SD50-011	50g	29	160	30

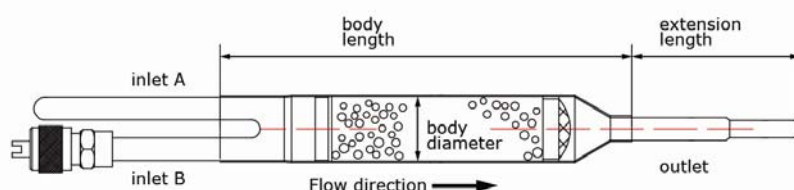
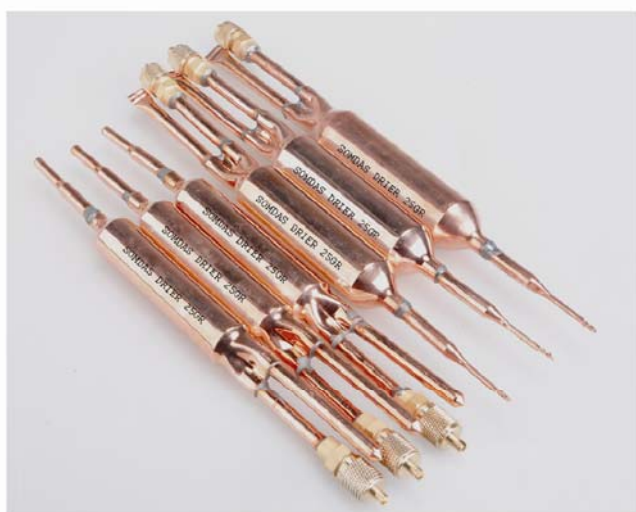
Note: all sizes are SOMDAS standard, other size can be made on request.



Model	Molecular Sieves +5%, -0%	Body diameter ±0.10mm	Body length ±2mm	Screen Depth ±2mm
SD05-021	5g	16	80	24
SD07-021	7g	16	90	24
SD10A-021	10g	16	115	24
SD10B-021	10g	19	100	26
SD12-021	12g	19	105	26
SD13-021	13g	19	110	26
SD15-021	15g	19	115	26
SD18-021	18g	19	128	26
SD20A-021	20g	19	141	26
SD20B-021	20g	24	120	28
SD25-021	25g	24	125	28
SD30-021	30g	24	140	28
SD35-021	35g	24	155	28
SD40-021	40g	24	170	28
SD50-021	50g	29	160	30

- Body shell ▶ Cu-DHP
- Molecular sieves ▶ 100% XH-9
- Screen ▶ 200 mesh
- Availability ▶ Compatible with all refrigerants
- Connection ▶ Welded extension copper capillary 2 inlet +1 outlet
- Wall thickness ▶ 5 – 20g: 0.40mm; > 20g: 0.50mm
- Extended capillary length ▶ 40, 45, 50, 55mm
- Inlet/Outlet ▶ On request

Note: all sizes are SOMDAS standard, other size can be made on



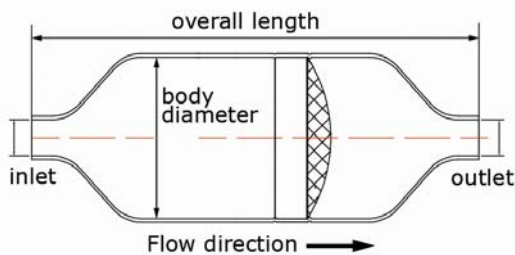
Model	Molecular Sieves +5%, -0%	Body diameter ±0.10mm	Body length ±2mm	Screen Depth ±2mm
SD05-022	5g	16	80	24
SD07-022	7g	16	90	24
SD10A-022	10g	16	115	24
SD10B-022	10g	19	100	26
SD12-022	12g	19	105	26
SD13-022	13g	19	110	26
SD15-022	15g	19	115	26
SD18-022	18g	19	128	26
SD20A-022	20g	19	141	26
SD20B-022	20g	24	120	28
SD25-022	25g	24	125	28
SD30-022	30g	24	140	28
SD35-022	35g	24	155	28
SD40-022	40g	24	170	28
SD50-022	50g	29	160	30

- Body shell ▶ Cu-DHP
- Molecular sieves ▶ 100% XH-9
- Screen ▶ 200 mesh
- Availability ▶ Compatible with all refrigerants
- Wall thickness ▶ 5 – 20g: 0.40mm; > 20g: 0.50mm
- Connection ▶ Welded extension copper capillary 2 inlet (with access valve) +1 outlet
- Wall thickness ▶ 5 – 20g: 0.40mm; > 20g: 0.50mm
- Extended capillary length ▶ 40, 45, 50, 55mm
- Inlet/Outlet ▶ On request

Note: all sizes are SOMDAS standard, other size can be made on request.

Strainer

SOMDAS copper strainers are specially designed with oversized screen for protecting, filtering air conditioning or dehumidifying system from dirt and contaminant.



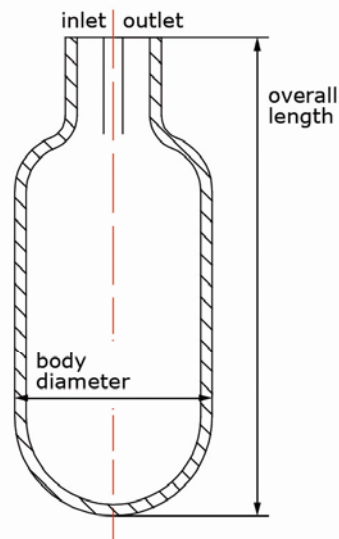
- Body shell ▶ Cu-DHP
- Screen ▶ 200 mesh
- Availability ▶ Compatible with all refrigerants
- Wall thickness ▶ >0.45mm, on request
- Inlet/Outlet ▶ On request, available with 1, 2, 3 and 4 outlets

Note: the practical product dimensions shall be specified by customers or check with SOMDAS technician.

Accumulator

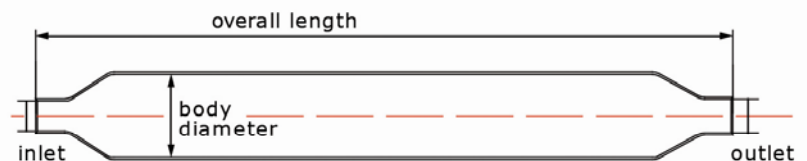
SOMDAS accumulator is an important part to compressor. Its main functions are liquid storage, liquid/gas separation, impurity filtering, noise reduction and refrigerant cushion.

Accumulator Vertical



- Body shell ▶ Cu-DHP
- Availability ▶ Compatible with all refrigerants
- Wall thickness ▶ >0.40mm
- Body diameter ▶ 3/4" to 1-1/4"
- Overall Length ▶ 100 to 350mm

Note: the practical product dimensions shall be specified by customers or check with SOMDAS technician.



- Body shell ▶ Cu-DHP
- Availability ▶ Compatible with all refrigerants
- Wall thickness ▶ >0.40mm
- Body diameter ▶ 3/4" to 1-1/4"
- Overall Length ▶ 100 to 350mm

Note: the practical product dimensions shall be specified by customers or check with SOMDAS technician.

Access Valve



SOMDAS access valve are designed to offer convenient access port for refrigeration system, it can be installed in any position on either high or low side for quick testing, pressure checking, purging or charging. All access valves feature 1/4" SAE male flare access ports and are furnished with cap and gasket preventing any leakage. Each cap is machined to have a valve core quick-remover.



- Valve body ▶ Solid brass
- Valve cap ▶ Solid brass
- Extended copper tube ▶ Cu-DHP
- Availability ▶ Compatible with all refrigerants



Model	* Copper Extension	Remark
SDAV-1/8	1/8" Solder	All access valves come with 1/4" SAE male flare, equipped with valve core & brass caps (with core remover).
SDAV-3/16	3/16" Solder	
SDAV-1/4	1/4" Solder	
SDAV-5/16	5/16" Solder	
SDAV-3/8	3/8" Solder	

*Note: SOMDAS standard thickness and length for copper tube extension is 0.4mm and 100mm. Stable valve cores for replacement are available.

Customized Product

Design and manufacturing according to requirements.

SOMDAS has a wide range of machinery for processing pipelines, we have tube bending machines, cutting machines for cut-off, machines end-forming to expand or reduce ends. This allows us to manufacturer special components for pipelines that optimally march to customers requirements.



Packaging

The packaging used for SOMDAS products meets the demands of protection and transportation.

For filter driers, the air tightness is the top priority to be considered about. To protect environment, we strongly recommend customers to choose driers with extended copper tube. For alternative, we recommend Aluminum-foil vacuum packaging in individual, 5pcs/bag, 10pcs/bag method, which has excellent sealing effect.

On request, the packing method of polybag or polybag with paper card is usually supplied for filter driers, strainers and accumulators.

For access valves, they regularly come with polybag (50pcs in a pack) or polybag with paper card (10pcs in a pack).



Filter drier in Aluminum-foil packing
10pcs in a pack



Filter drier in Aluminum-foil packing
5pcs in a pack



Filter drier in Aluminum-foil packing
Individual



Access valve in polybag with paper
card



Filter drier in polybag with paper card



Filter drier in ploybag

All cardboard boxes are stacked on wooden pallets and fitted with straps beforehand to make it easier to carry during transport. The stacked boxes are then wrapped in plastic film and held taut in order to provide stability and protect against contamination and damage when force is applied.



Cardboard boxes on wooden pallet wrapped in plastic film



Cardboard box with straps



Sales and Support

The success of SOMDAS development in the past 10 years primarily lies in our continuous focus and spirit of innovation in the production, quality control, as well as our close collaboration with customers.

In 2013, SOMDAS is happy to ally with ICEAGE in the form of joint venture, aiming at resources integration, sales management improvement and strengthening.

Through the successful alliance, SOMDAS now has been equipped with experienced sales force, who are always ready to help solve customers' question/need in an efficient manner. Your satisfaction is vital to our growth, and we are always here for you.

SOMDAS®

ShangYu WanJie Refrigeration Fittings Co., Ltd.

www.somdas.com.cn
sales@somdas.com.cn

+86-574-8303 5736 tel.
+86-574-8303 5737 fax.

Factory
Zhangzhen Industry Zone
Shaoxing 312363, China

Export office
Unit 702 China-Base Plaza
No.666 Tiantong South Road
Ningbo 315000, China

Find out more

If you are interested in learning more about SOMDAS, please contact our sales team or visit us online at www.somdas.com.cn

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