Get into the flow!

meister®

Flow

Product Overview 2013/2014

AIR H2O OIL GAS SPEC

Company Profile:

For more than 25 years Meister is considered worldwide as the synonym for innovation and quality when it comes to flow measurement technology. Meister develops, manufactures and sells devices to measure and control flow of liquid and gaseous media.

The comprehensive product portfolio covers the whole range from simple monitoring devices up to high precision flowmeters. To meet the customer requirements in the best possible manner various mechanical and electronic measurement principles are used.

Intensive market analysis and close contact to our worldwide customers and resellers, guarantee that our solutions fit actual market requirements and meet or even exceed state-of-the-art technology.

Our employees are the motor of our company. Their motivation, their skill and desire to work closely with the customer are indispensable in attaining the formulated objective. Goals and requirements change however, and so it is a matter of course that, aside from continuous professional development, we also invest time in the furtherance of personal initiative and personal responsibility. In this manner, we have established a dedicated company structure, which is ready today to take on the challenges of tomorrow.

Our highly trained and experienced staff assures dependable consultation and first class service. Specific customer requirements can be implemented quickly, accurately and reliably using the latest technologies.

Quality is always our main focus. Since 2002 Meister is certified to DIN ISO 9001 standards and on request we can offer our products with UL/CSA certification as well as Ex-versions to meet ATEX standards.

Get into the flow

In 7 steps to success!

FLOWPROFI®

www.flowprofi.com

Meister Stroemungstechnik is pleased to announce new functions of its **FLOWPROFI®** product configurator. Utilizing the free online tool under www.flowprofi.com the user can select the matching flow meter(s) for his requirements from the Meister product portfolio. In just seven steps the online tool guides the user to the product which fits best to his needs.

1st Step: Basic data

Please choose the medium to measure respectively to monitor. Specify the flow rate then and medium-specific data if necessary.

Every input is required

Medium: Water

Nominal flow: 120 l/min

2nd Step: Operation data

You can specify the operation data of the instrument in this step.

Flow: (*)	120	l/min
Operating pressure:	8	bar
Operating temperature:	70	°C

(*) required

✓ Found 161 instruments
Tolerance for input values: 10%
Show instruments

3rd Step: Technical data

You can input more technical data of your application in this step.

Maximum pressure:	10			bar
Medium temperature:	0	to	100	°C
Ambient temperature:	20	to	40	°C
Connection:	Thread			
Connection size:	1/4"			
Accuracy:	6 – 10% of full scale			
Orientation:	optional			

✓ Found 144 instruments
Tolerance for input values: 10%
Show instruments

4st Step: Features

You can establish features of the instrument in this step.

Display:	Sight glass
Switch contact:	1 N.O. + 1 changeover contact
Electrical output:	no electrical output

✓ Found 45 instruments
Tolerance for input values: 10%
Show instruments

5st Step: Materials

Here you have the opportunity to give your material wishes.

Main material:	Stainless Steel
Seal material:	No Information
Sensor element: (float, impeller etc.)	Stainless Steel

✓ Found 5 instruments
Tolerance for input values: 10%
Show instruments

6st Step: Approval

Here you can select the device-specific approval, if necessary for your application.

Approval: ATEX II 2 G Ex mb II T6 / ATEX II 2 D Ex tD A21

✓ Found 5 instruments
Tolerance for input values: 10%
Show instruments

Result

On the basis of your inputs FlowProfi was able to select 5 product proposals.

DUG
DUG-150 ★★★★
DUG-250 ★★★
DUG-220 ★★★
DUG-110 ★★★

Download data sheet

RVO/U
RVO/U-1/150 ★★★★

Download data sheet

meister

Pictograms

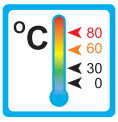
Medium / Ranges

Water & other liquids
0,2 - 250 l/min

Air & other gases
3 - 2750 Nl/min

Oil
0,5 - 110 l/min

Operating conditions



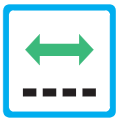
Operating temperature
black: standard
orange/red: option

Operating pressure
green: standard
yellow/orange: option

Viscosity
30 - 600 cSt

Orientation / Flow direction

Any orientation
Any flow direction



Orientation horizontal
Any flow direction

Orientation vertical
Flow direction bottom to top

Display

Sight glass

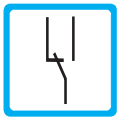
Mechanical display

LED / LCD

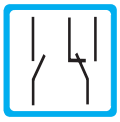
Combined display

Switch contact

Normally open (SPST N.O.)

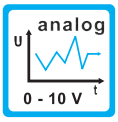


Change over (SPDT)

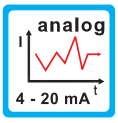


Normally open or change over

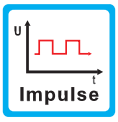
Output signal



Analog output
Voltage: 0 - 10 V



Analog output
Current: 4 - 20 mA



Pulse output

Standards

Explosion proof to ATEX

UL/CSA-certification

01

DWG

- wide measuring range
- sturdy construction
- burnt in scale

01

DUG

- wide measuring range
- sturdy construction
- variable mounting

01

RVO/U-1, RVO/U-2, RVO/U-4

- burnt in scale
- sturdy construction
- variable mounting

01

DWG-L

- wide measuring range
- sturdy construction
- burnt in scale

01

RVO/U-L1, RVO/U-L2, RVO/U-L4

- burnt in scale
- sturdy construction
- variable mounting

01

2100, 2150, 2300, 2340

- high accuracy
- easy installation
- low pressure drop

01

6001, 6002

- high accuracy
- high chemical resistance
- low pressure drop

02

DWM

- wide switch range
- sturdy construction
- high operating pressure

02

DWM/A

- wide measuring range
- sturdy construction
- high operating pressure

02

DWM-L

- wide switch range
- sturdy construction
- high operating pressure

02

DWM/A-L

- wide measuring range
- sturdy construction
- high operating pressure

02

DUM

- wide switch range
- sturdy construction
- any orientation

02

DUM/A

- wide switch range
- sturdy construction
- variable mounting

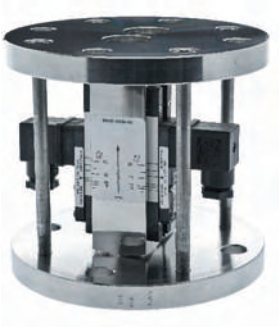
02

M-21

- high accuracy
- short overall length
- low pressure drop

02

WBM-65



- for high flowrates
- flange connection
- variable mounting

02

WBMC

- compact construction
- high operating pressure
- variable mounting

02

RVM/U-1, RVM/U-2, RVM/U-4

- compact construction
- high operating pressure
- variable mounting

02

RVM/UA-1, RVM/UA-2

- compact construction
- high operating pressure
- variable mounting

02

RVM/U-S4

- compact size
- hose connection
- variable mounting

02

RVM/U-L1, RVM/U-L2, RVM/U-L4

- compact size
- high operating pressure
- variable mounting

02

RVM/UM

- low switch point at high flowrates
- high operating pressure

02

RMU-A, RMU-B

- compact size
- high operating pressure
- variable mounting

02

SC-250

- high accuracy
- sturdy construction
- large nominal sizes

03

DKG-1, DKG-2

- viscosity compensated
- sturdy construction
- special liquids possible

03

DKM-1, DKM-2

- viscosity compensated
- sturdy construction
- high operating pressure

03

DKM/A-1, DKM/A-2

- viscosity compensated
- sturdy construction
- high operating pressure

03

DKME

- viscosity compensated
- wide switch range
- high operating pressure

03

DKME/A

- viscosity compensated
- wide measuring range
- high operating pressure

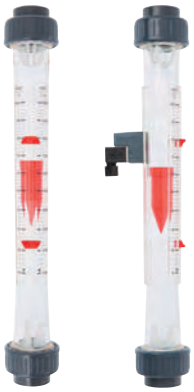
04

KM-165, KM-185, KM-200

- high accuracy
- good readability
- PVC-U / PSU / PVDF

04

KM-335, KM-350



- high accuracy
- good readability
- PVC-U / PA / PSU / PVDF

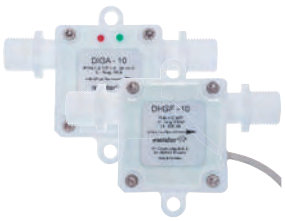
05

DHSF-, DHGF-, DIGA- 2 & 4

- high accuracy
- high chemical resistance
- threaded connection or
- hose connection

05

DHGF-10, DIGA-10



- high accuracy
- high chemical resistance
- threaded connection

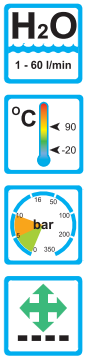
05

DHTF-1

- high accuracy
- mounting via T-piece
- PP-version

05

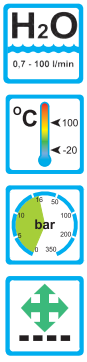
FAA



- any orientation
- high reliability
- threaded connection

05

FRA



- any orientation
- high reliability
- threaded connection

05

TD...-15.../PPO

- wide measuring range
- high accuracy
- plastic version or
- brass version

05

TD...-25.../PP
TD...-25.../MS

- wide measuring range
- high accuracy
- PP-version or
- brass version

05

TD...-40.../MS

- wide measuring range
- high accuracy
- sturdy brass construction

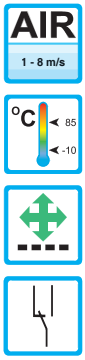
06

SPM

- low sensitivity to dirt
- high switch rating
- low pressure drop

06

SPM-L



- low sensitivity to dirt
- high switch rating
- low pressure drop

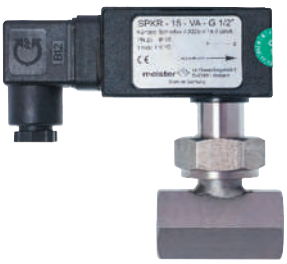
06

SPKM

- low sensitivity to dirt
- low pressure drop
- threaded connection

06

SPKR



- low sensitivity to dirt
- low pressure drop
- threaded connection

06

DP-65

target-disc-flowmeter
- high reliability
- high temperatures
- sandwich mounting

07

COVOL

rotating piston
- high accuracy
- easy cleaning
- for high viscosities

08

DMIK

magnetic-inductive flowmeter
- compact design
- no moving parts
- low pressure drop

09

UDMS

ultrasonic flowmeter
- wide measuring range
- integrated up-/down-stream section
- display

10

SKT-2

- status LED
- no moving parts
- low pressure drop

11

SF, SFD, SFM

strainer
- for high temperatures
- high pressure resistance
- easy cleaning

12

BA, BB, BC, BF

flow limiter
- high reliability
- threaded connection or
- mounting between flanges

13

SIGNAL

analog transmitter
- analog output

13

MONITOR

analog transmitter
- analog output
- 1 switch point

13

DISPLAY

analog transmitter
- analog output
- 2 switch points
- display

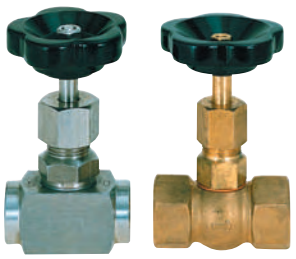
14

VSB

block valve
- integrated needle valve
- gallery up to 12 units

14

NV



needle valve
- for high temperatures
- high pressure resistance
- threaded connection

bsi.

Certificate of Registration

QUALITY MANAGEMENT SYSTEM – DIN EN ISO 9001:2008

This is to certify that: Meister Strömungstechnik GmbH
Im Gewerbegebiet 2
63831 Wiesen
Germany

Holds certificate No.: FS 529196/1792/1D

and operates the Quality Management System of the Meister Strömungstechnik Group, certificate no. FS 529196/1792D, which complies with the requirements of **DIN EN ISO 9001:2008** for the following scope:

Development, manufacturing and sales
of components for the process industry

For and on behalf of BSI:

Peter U. E. Leveringhaus, BSI Group Deutschland GmbH

Originally registered: 09.04.2002 Latest issue: 17.06.2014 Expiry date: 23.06.2017

Page 1 of 1

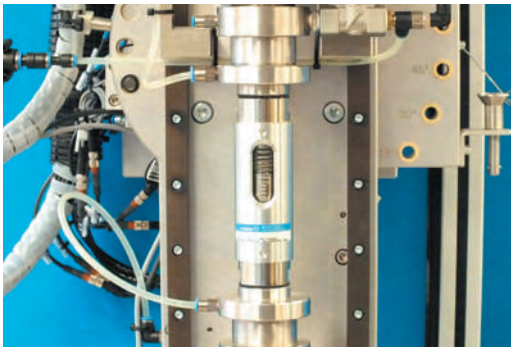
DAkkS Deutsche Akkreditierungsstelle D-ZM-17232-01-02

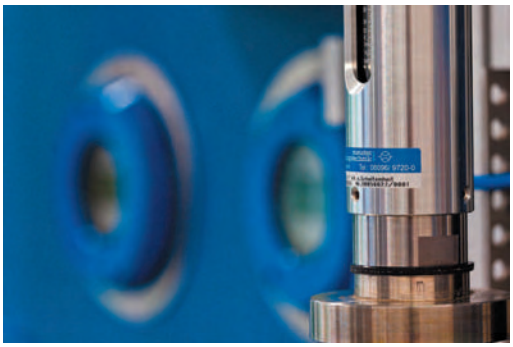
...making excellence a habit.

...making excellence a habit.

Innovation

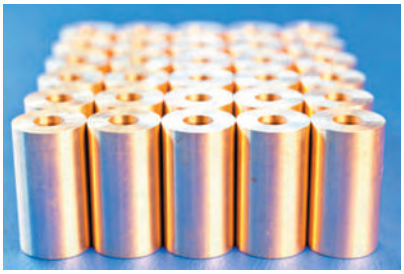
Competence and creativity are the basis for innovative products. Our research and development department reacts quickly and flexibly to customer requests and market requirements. The department monitors all projects from the planning stage to prototype production.





Precision

Quality and precision of our products are checked at regular intervals. The test equipment is monitored and recalibrated at fixed intervals.



Production

Our in house production allows us to respond quickly to customer requirements. We invite you to use the experience and flexibility of MEISTER STROEMUNGSTECHNIK and to work with us in designing the flow measurement devices you need.

Communication & Presentation

The personal dialog with customers and the prospective customers enables us to jointly find the best solution for your measuring application. To keep you informed on our entire product line and to get to know each other, we regularly exhibit at the most important fairs. This also ensures that we get information from the market, which helps to ensure that we can consistently deliver innovative solutions to meet your specific requirements.

meister®
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