



Qualität von Anfang an.

Technische Daten

BAUFORM

2-teilige Körperkonstruktion (verschraubt),
mit eingeschraubtem Oberteil.

BETÄTIGUNG

Drehung des Handrads.

ANSCHLUß

Innengewinde G $\frac{1}{8}$... G2 nach ISO 228-1
NPT (nur Edelstahl)

BETRIEBSDRUCK*

AC1010xx(Messing) : PN 100
AC4010xx(Stahl) : PN120 / PN 400
AC3010xx(Edelstahl) : PN120 / PN 400
AC301623(Edelstahl) : PN630

TEMPERATURBEREICH

AC1010xx: -20°C bis max. 100°C
AC4010xx: -20°C bis max. 350°C
AC3010xx: -20°C bis max. 250°C
Temperatur/ Druck nicht für Dampf ausgelegt.
Verwendung mit Dampf nur nach Rücksprache

WERKSTOFFE

AC1010xx (Messing)

Gehäuse $\frac{1}{8}$ " - $\frac{3}{4}$ " CW617N
 ≥ 1 " CW614N
Kopfstück Messing (CW614N/
CW617N)
Spindel Messing (CW614N/
CW617N)
Stopfbuchsgrundring Messing (CW614N/
CW617N)
Spindeldichtung PTFE
Stopfbuchsmutter Messing (CW614N/
CW617N)
Kunststoffhandrad, ab G1 $\frac{1}{4}$ Blech

AC4010xx (Stahl):

Gehäuse 9 S 20 K
Kopfstück 9 S 20 K
Spindel 1.4104
Stopfbuchsgrundring 1.4104
Spindeldichtung Graphit
Stopfbuchsmutter 9 S 20 K
Kunststoffhandrad, ab G1 Blech

AC3010xx (Edelstahl):

Gehäuse 1.4571
Kopfstück 1.4571
Spindel 1.4571
Stopfbuchsgrundring 1.4571
Spindeldichtung PTFE
Stopfbuchsmutter 1.4571
Kunststoffhandrad, ab G1 Blech

Specification

DESIGN

Body consists of 2 screwed parts,
with screwed top.

OPERATION

Rotation of the handlewheel.

CONNECTION

Female thread G $\frac{1}{8}$... 2 acc. to ISO 228-1
NPT (only stainless steel)

PRESSURE RANGE*

AC1010xx(Brass) : PN 100
AC4010xx(carbon steel) : PN120 / PN 400
AC3010xx(stainless steel) : PN120 / PN 400
AC301623(stainless steel) : PN630

TEMPERATURE RANGE

AC1010xx: -20°C up to max. 100°C
AC4010xx: -20°C up to max. 350°C
AC3010xx: -20°C up to max. 250°C
Temperature/ pressure not designed for steam.
Use with steam only after consultation

MATERIALS

AC1010xx (Brass)

Body $\frac{1}{8}$ " - $\frac{3}{4}$ " CW617N
 ≥ 1 " CW614N
Bonnet Brass (CW614N/
CW617N)
Spindle Brass (CW614N/
CW617N)
Packing bottom-ring Brass (CW614N/
CW617N)
Spindle seal PTFE
Packing nut Brass (CW614N/
CW617N)
Plastic handwheel, from G1 $\frac{1}{4}$ steel

AC4010xx (Carbon Steel):

Body 9 S 20 K
Bonnet 9 S 20 K
Spindle 1.4104
Packing bottom-ring 1.4104
Spindle seal Graphite
Packing nut 9 S 20 K
Plastic handwheel, from G1 steel

AC3010xx (Stainless Steel):

Body 1.4571
Bonnet 1.4571
Spindle 1.4571
Packing bottom-ring 1.4571
Spindle seal PTFE
Packing nut 1.4571
Plastic handwheel, from G1 steel

Artikel:

AC

Nadelventil

PN 100 / PN 400 /
PN 630

Messing

Stahl

Edelstahl



Type:

AC

Needle-valve

PN 100 / PN 400 /
PN 630

Brass

Carbon Steel

Stainless Steel



Alle Angaben sind freibleibend und unverbindlich!

The above information is intended for guidance only and the
company reserves the right to change any data herein without
prior notice!

* = Erforderliche Druckabschläge / Required Pressure Reduction

Temperatur / Temperature	50°C	100°C	200°C	300°C	400°C
Druckabschläge / Pressure Reduction	6%	15%	37%	60%	84%



Artikel- u. Bestellangaben: z.B. AC301025
= Nadelventil, Edelstahl, Handrad, Innengewinde, 1"

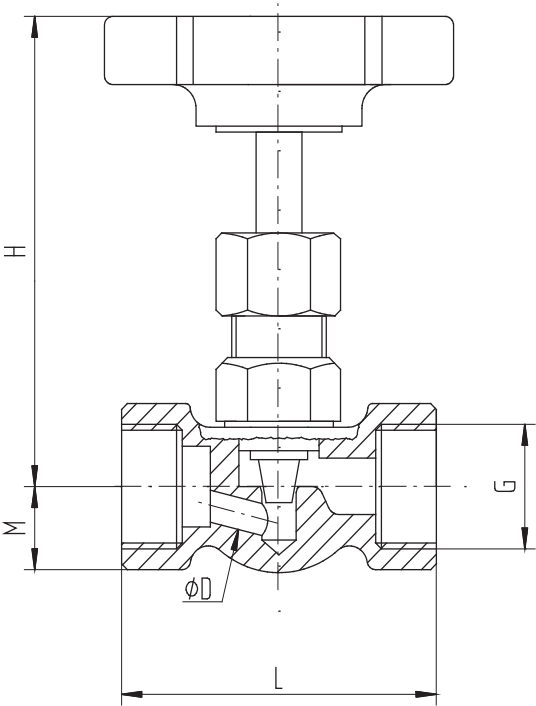
1.+ 2. Stelle Produkt	3.+ 4. Stelle Werkstoffe Gehäuse	5. Stelle Betätigung	6. Stelle Zusatzausstattung	7.+ 8. Stelle Anschlußgröße
AC = Nadelventil	10 = Messing 30 = Edelstahl 40 = Stahl	1 = Handhebel	0 = ohne 6 = Außengewinde (nur ½")	20 = 1/8" NPT 21 = 1/4" NPT 22 = 3/8" NPT 23 = 1/2" NPT 24 = 3/4" NPT 25 = 1" NPT 26 = 1 1/4" NPT 27 = 1 1/2" NPT 28 = 2" NPT

Ordering example: e.g. AC301025
= Needle-valve, Stainless Steel, handle wheel, female thread, 1"

1.+ 2. Digit Product	3.+ 4. Digit Material Body	5. Digit Operation	6. Digit Options	7.+ 8. Digit Connection size
AC = Needle-valve	10 = Brass 30 = Stainless Steel 40 = Carbon Steel	1 = Handwheel	0 = no options 6 = male thread (only ½")	20 = 1/8" NPT 21 = 1/4" NPT 22 = 3/8" NPT 23 = 1/2" NPT 24 = 3/4" NPT 25 = 1" NPT 26 = 1 1/4" NPT 27 = 1 1/2" NPT 28 = 2" NPT

Abmessungen / Dimension :

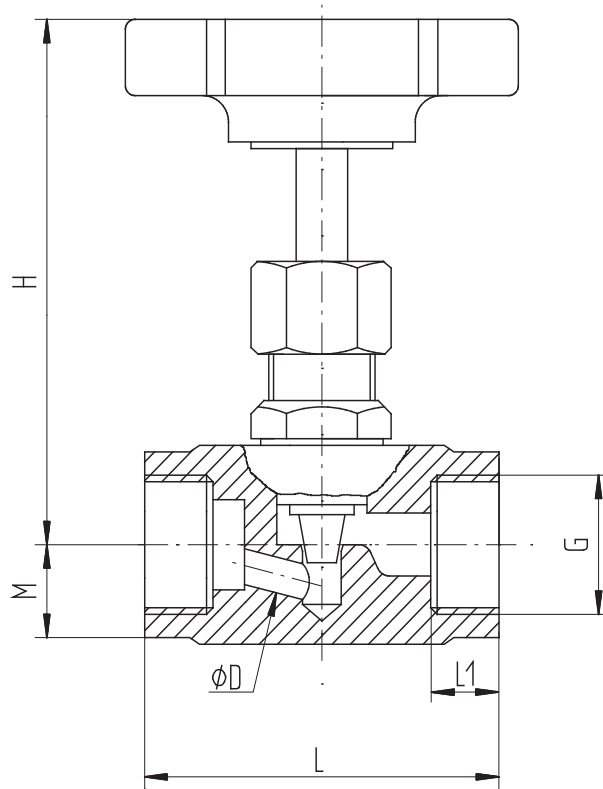
AC1010xx (Messing / brass):



G	["]	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
D	[mm]	5	5	5	6,5	8,5	10	13	15	15
L	[mm]	50	50	50	55	67	75	110	110	112
H	[mm]	78	78	78	78	90	90	110	110	120
M	[mm]	12,0	12,0	12,0	14,0	18,0	23,0	31,5	33,0	40,0
kv	[m³/h]	0,24	0,48	0,48	0,65	1,0	1,6	3,0	3,0	3,3
PN	[bar]	100	100	100	100	100	100	100	100	100
	[kg]	0,26	0,25	0,24	0,26	0,50	0,65	1,85	2,00	2,50

Kv-Wert [m³/h], Δp = 1 bar
Flow rate [m³/h], Δp = 1 bar

AC4010xx (Stahl / carbon steel):
AC3010xx (Edelstahl / stainless steel):



AC4010xx (Stahl / carbon steel):

G	["]	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
D	[mm]	4	5	6	7	9	12	15	22	22
L	[mm]	45	55	55	60	75	100	110	130	130
L1	[mm]	11	15	15	17	19	21	22	24	28
H	[mm]	72	75	72	77	99	110	145	145	145
M	[mm]	12,5	12,5	12,5	15,0	17,5	22,5	30,0	35,0	35,0
kv	[m³/h]	0,38	0,42	0,53	0,66	1,43	2,20	3,00	7,50	7,24
PN	[bar]	400	400	400	400	200	200	160	120	120
[kg]		0,32	0,31	0,31	0,41	0,72	1,46	3,17	4,70	3,73

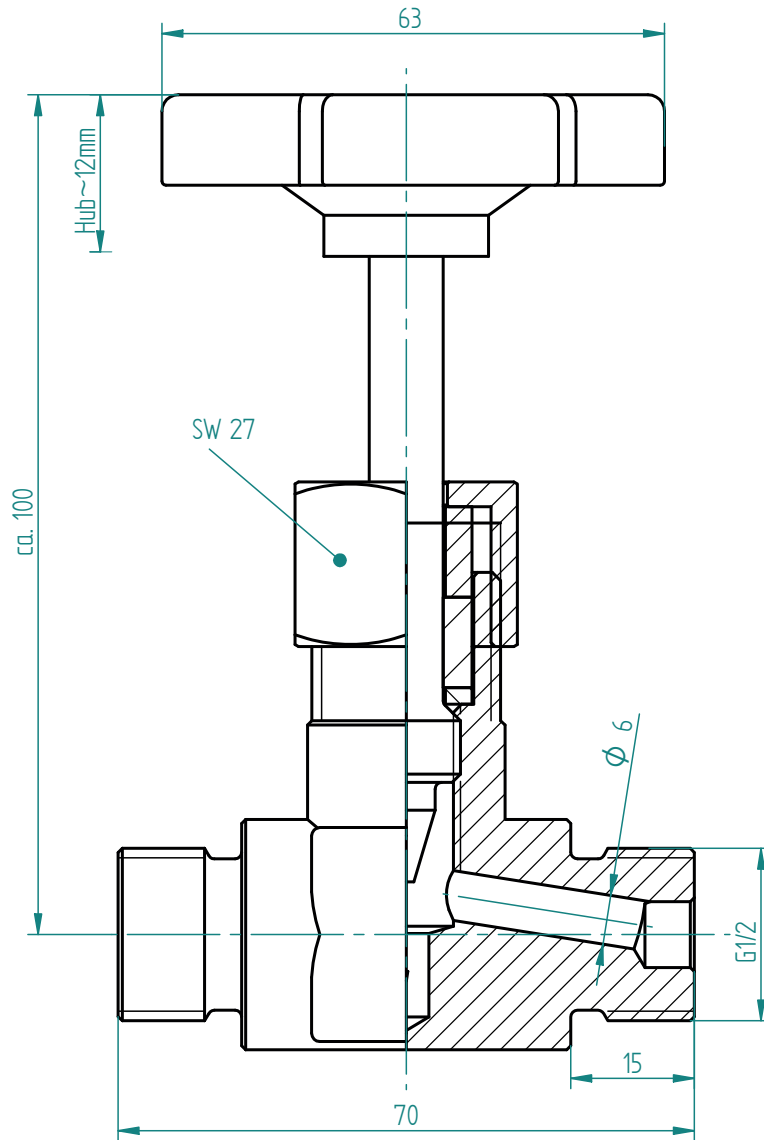
Kv-Wert [m³/h], Δp = 1 bar
Flow rate [m³/h], Δp = 1 bar

AC3010xx (Edelstahl / stainless steel):

G	["]	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
D	[mm]	4	5	6	7	9	12	15	22	22
L	[mm]	45	55	55	60	75	100	110	130	130
L1	[mm]	11	15	15	17	19	21	22	24	28
H	[mm]	72	75	72	77	99	110	145	145	145
M	[mm]	12,5	12,5	12,5	15,0	17,5	22,5	30,0	35,0	35,0
kv	[m³/h]	0,38	0,42	0,53	0,66	1,43	2,20	3,00	7,50	7,24
PN	[bar]	400	400	400	400	200	200	160	120	120
[kg]		0,31	0,31	0,32	0,41	0,72	1,51	3,10	4,25	3,83

Kv-Wert [m³/h], Δp = 1 bar
Flow rate [m³/h], Δp = 1 bar





Hinweis

Bei den in dieser Dokumentation beschriebenen Produkten, in der von uns gelieferten Form, handelt es sich weder um Maschinen gemäß Artikel 2 Absatz a noch um unvollständige Maschinen gemäß Artikel 2 Absatz g im Sinne der Richtlinie 2006/42/EG über Maschinen.

Advice

The products described in this documentation in the conditions of our delivery are no machinery according to annex 2 paragraph a respectively no partly completed machinery according to annex 2 paragraph g of the directive 2006/42/EC on machinery.

