Rotalockadapters
for hermetic Compressors and Receivers
Technical Data

Document No.: 3.5.035/E 5
Replaces: 3.5.035/E 4
Date: 27.03.2002

Rotalockadapters for use on Compressors and Receivers.

Features
- Steel brazed adapters with ground-coat protection
- Rotalock-adapters offer easy installation on Hermetic Compressors and Receivers
- Minimal pressure drop due to optimized flow characteristic
- High Quality Standard
- Adapters are 100% externally leak-tested
- Many variations available

Options
- Up to three ¼" SAE male - 7/16" UNF Flare Connections in various configurations (only for Angle-Style Adapters)



Adapters in Angle- and Straight-Through-Design

Introduction
The **Nobis** Adapters are mainly used on Hermetic Compressors and Receivers for the connection with the tubing system. The Angle-Adapters can be equipped with up to three ¼" SAE male - 7/16" UNF flare connections for the use of Pressure Switches or Pressure Transmitters. For the connection of Gauges or charging lines these connections can be delivered with internal thread for the installation of Schraeder-Valves.

Description
The body is made from steel and will be ground-coat plated for corrosion protection by copper- or tin plating. Parts are manufactured with a high-temperature brazing material providing a solid and endurable joint. All Adapters are 100% externally leak-tested.

Technical Data

Max. operating Pressure Ps:	Ps:31 bar (-10°C to 140°C) 23 bar (-40°C to 140°C)
Burst Pressure	175 bar
Medium temperature Ambient temperature Transport temperature	-40 to 140 °C -40 to 70 °C -40 to 70 °C
Standard	Pressure Equipement Directive 97/23/EC
Compatibility	CFC, HFC HCFC, Mineral-, Synthetic- and Polyolester lubricants
Housing	Steel with ground-coat corrosion protection (Cu-or Sn-plating), Brass cap on gauge connection
External Leak Rate	Max. 3 g/year
Installation	Non position sensitive High silver content brazing material is recommended (note: after brazing the valve and joint should be painted or otherwise protected to prevent corrosion)

Teflon gaskets for Rotalock-Valves and Rotalock Adaptors

Type	Order No.	Thread	Content
DS 10034	400 000 08	3/4"-16 UNF	100 pcs.
DS 10001	400 000 09	1"-14 UNS	100 pcs.
DS 10114	400 000 10	1-1/4"-12 UNF	100 pcs.
DS 10134	400 000 11	1-3/4"-12 UN	100 pcs.
DS 10214	400 000 12	2-1/4"-12 UN	50 pcs.

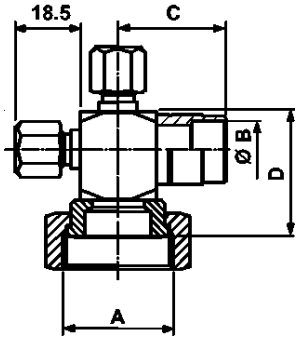
Rotalockadapters
for hermetic Compressors and Receivers

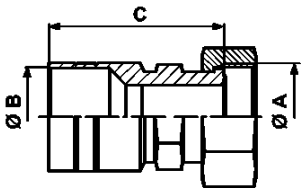
Document No.: 3.5.035/E 5
Replaces: 3.5.035/E 4
Date: 27.03.2002

Selection

1. Select the base connection **"A"** (Rotalock-Thread)
2. Select Tube connection **"B"** (either Braze or Thread)
3. Tables are showing main Dimensions (additional Information will be given upon request).
4. Flare and Thread Types are tin plated, Braze types are copper plated
5. Select gaskets (page 1)

Dimensions (mm)





Angle Style

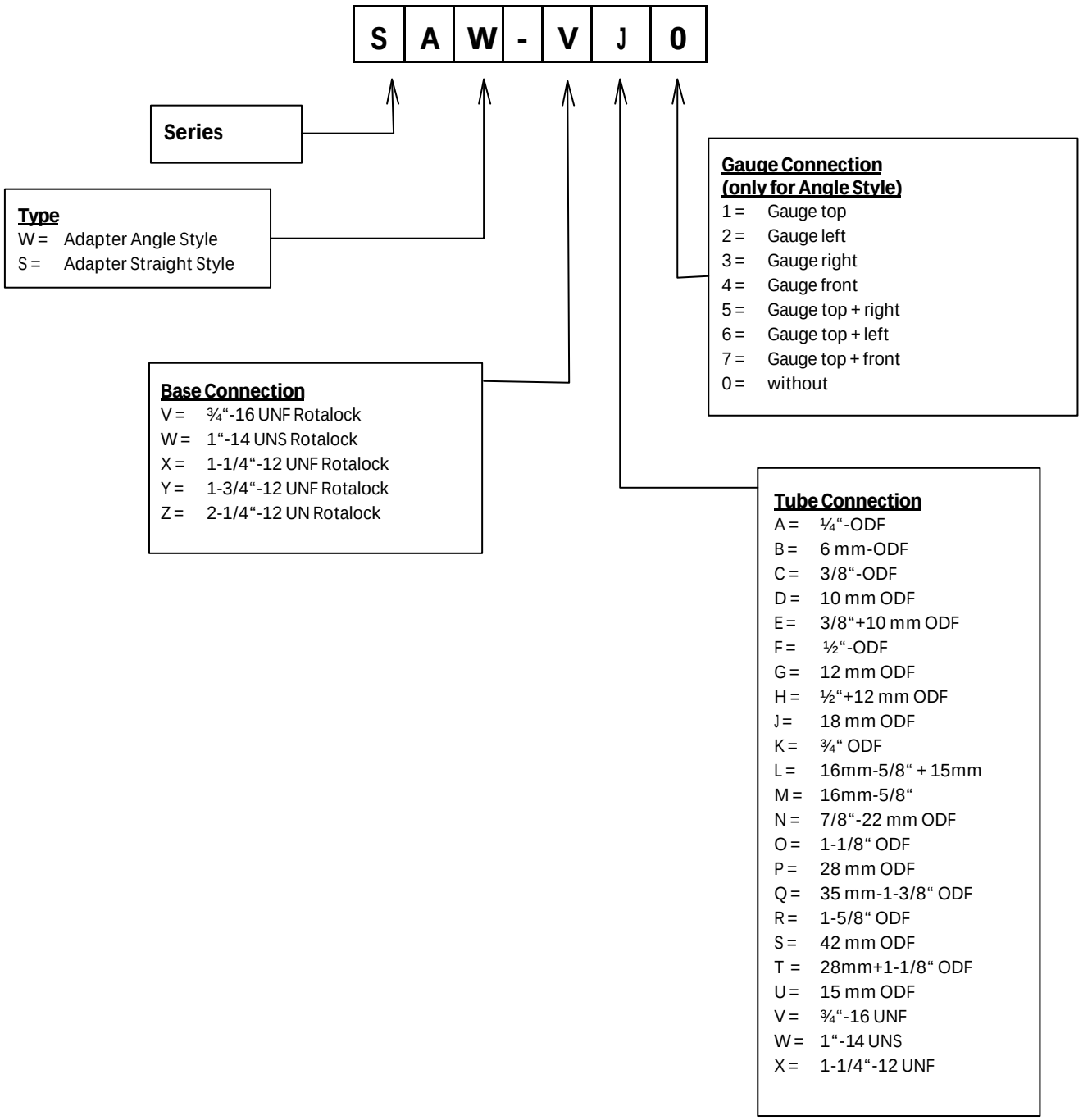
Type	PCN	Ø A	Ø B Braze ODF	C mm	D mm	Weight Gramm
SAW-VB0	692 314 01		6mm	24,5	20,5	90
SAW-VA0	692 414 01		1/4"	24,5	20,5	90
SAW-VD0	692 334 01	3/4"-16	10mm	24,5	20,5	90
SAW-VC0	692 434 01	UNF	3/8"	24,5	20,5	90
SAW-VG0	692 315 01		12mm	24,5	20,5	90
SAW-VF0	692 316 01		1/2"	24,5	20,5	90
SAW-WD0	692 320 01		10mm	24,5	20	150
SAW-WC0	692 321 01	1"-14	3/8"	24,5	20	150
SAW-WG0	692 349 01	UNS	12mm	24,5	20	150
SAW-WF0	692 449 01		1/2"	24,5	20	150
SAW-WU0	692 359 01		15mm	31	23	200
SAW-WM0	692 459 01		16-5/8"	31	23	200
SAW-XU0	692 326 01		15mm	31	25	200
SAW-XM0	692 327 01		16-5/8"	31	25	200
SAW-XJ0	692 367 01		18mm	31	25	200
SAW-XK0	692 467 01		3/4"	31	25	200
SAW-XN0	692 377 01	1-1/4"-12	22mm-7/8"	39,5	32,5	200
SAW-XT0	692 328 01	UNF	28mm-1-1/8"	46,5	32,5	270
SAW-XP0	692 387 01		28mm	46,5	32,5	270
SAW-XO0	692 487 01		1-1/8"	46,5	32,5	270
SAW-YN0	692 378 01		22mm-7/8"	39,5	33	430
SAW-YT0	692 329 01		28mm-1-1/8"	50,5	40	430
SAW-YP0	692 388 01		28mm	50,5	40	430
		1-3/4"-12				
SAW-YO0	692 488 01	UNF	1-1/8"	50,5	40	430
SAW-YQ0	692 398 01		35mm-1-3/8"	56,5	40	430
SAW-YS0	692 399 01		42mm	56,5	40	430

Straight-Through Style

Type	PCN	Ø A	Ø B Braze (ODF)	Thread	C mm	Weight gramm
SAS-VB0	691 314 01		6mm		30	50
SAS-VA0	691 414 01		1/4"		30	50
SAS-VD0	691 334 01	**3/4"-16**	10mm		30	50
SAS-VC0	691 434 01	UNF	3/8"		30	50
SAS-VG0	691 315 01		12mm		30	50
SAS-VF0	691 316 01		1/2"		30	50
SAS-WD0	691 320 01		10mm		30	80
SAS-WC0	691 321 01	**1"-14**	3/8"		30	80
SAS-WG0	691 349 01	UNS	12mm		30	80
SAS-WF0	691 449 01		1/2"		30	80
SAS-WU0	691 359 01		**15mm**		35	90
SAS-WM0	691 459 01		16-5/8"		35	90
SAS-XU0	691 326 01		15mm		37	130
SAS-XM0	691 327 01		16-5/8"		37	130
SAS-XJ0	691 367 01		18mm		37	120
SAS-XK0	691 467 01		3/4"		37	120
SAS-XN0	691 377 01	**1-1/4"-12**	22mm-7/8"		44	120
SAS-XT0	691 329 01	UNF	**28mm-1-1/8"**		51	140
SAS-XP0	691 387 01		28mm		51	140
SAS-XO0	691 487 01		1-1/8"		51	140
SAS-YN0	691 378 01		22mm-7/8"		45,5	140
SAS-YT0	691 328 01		28mm-1-1/8"		51,5	250
SAS-YP0	691 388 01		28mm		51,5	250
SAS-YY0	691 300 01	**1-3/4"-12**		1-3/4"-12	45	270
SAS-YO0	691 488 01	UNF	1-1/8"	UNF	51,5	250
SAS-YQ0	691 398 01		35mm-1-3/8"		58	250
SAS-YS0	691 399 01		42mm		58	250
SAS-ZR0	691 600 01		1-5/8"		61,5	535
SAS-ZQ0	691 601 01	**2-1/4"-12**	35mm-1-3/8"		61,5	535
SAS-ZS0	691 602 01	**UN**	42mm		61,5	535

Braze types: copper plated

Name Scheme


S A W - V J 0
Series
Type
W = Adapter Angle Style
S = Adapter Straight Style
Base Connection
V = ¾"-16 UNF Rotalock
W = 1"-14 UNS Rotalock
X = 1-1/4"-12 UNF Rotalock
Y = 1-3/4"-12 UNF Rotalock
Z = 2-1/4"-12 UN Rotalock
Gauge Connection
(only for Angle Style)
1 = Gauge top
2 = Gauge left
3 = Gauge right
4 = Gauge front
5 = Gauge top + right
6 = Gauge top + left
7 = Gauge top + front
0 = without
Tube Connection
A = ¼"-ODF
B = 6 mm-ODF
C = 3/8"-ODF
D = 10 mm ODF
E = 3/8"+10 mm ODF
F = ½"-ODF
G = 12 mm ODF
H = ½"+12 mm ODF
J = 18 mm ODF
K = ¾" ODF
L = 16mm-5/8" + 15mm
M = 16mm-5/8"
N = 7/8"-22 mm ODF
O = 1-1/8" ODF
P = 28 mm ODF
Q = 35 mm-1-3/8" ODF
R = 1-5/8" ODF
S = 42 mm ODF
T = 28mm+1-1/8" ODF
U = 15 mm ODF
V = ¾"-16 UNF
W = 1"-14 UNS
X = 1-1/4"-12 UNF

ALCO CONTROLS is not to be held responsible for erroneous literature regarding capacities, dimensions, applications, etc. stated herein. Products, specifications and data in this literature are subject to change without notice. The information given herein is based on technical data and tests which ALCO CONTROLS believes to be reliable and which are in compliance with technical knowledge of today. It is intended only for use by persons having the appropriate technical knowledge and skills, at their own discretion and risk. Since conditions of use are outside of ALCO'S control we can not assume any liability for results obtained or damages occurred due to improper application.

ALCO CONTROLS
Emerson Electric GmbH & Co
Postfach 1251
Heerstraße 111
D-71332 Waiblingen
Germany
Phone ...49-7151-509-0
Fax ...49-7151-509-200

www.alco-controls.com

	Phone:	**Fax:**
Benelux	+31 (0)492 472 416	+31 (0)492 472 621
Denmark & Finland	+44 (0) 1635 876 161	+44 (0) 1635 877 111
Eastern Europe	+32 (0)87 305 061	+32 (0)87 305 506
France	+33 (0)4 78 66 85 70	+33 (0)4 78 66 85 71
Germany	+49 (0)6109 6059 -0	+49 (0)6109 6059 40
Italy	+39 02 961 781	+39 02 961 788 888
Middle East & Africa	+32 (0)87 305 550	+32 (0)87 305 506
Poland	+48 225 485 205	+48 225 485 255
Russia & Cis	+7 095 232 94 72	+7 095 232 03 56
Spain & Portugal	+34 93 41 23 752	+34 93 41 24 215
Sweden & Norway	+44 (0) 1635 876 161	+44 (0) 1635 877 111
UK & Ireland	+44 (0) 1635 876 161	+44 (0) 1635 877 111