



• **CONVAIR**

PARTS CATALOGUE

ISSUE 5



www.convair.com.au

an **Engenco** company

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INTRODUCTION

Welcome to our latest Issue 5 of our Spare Parts Catalogue.

Established in 1993, Convair Engineering prides itself in being an innovative manufacturer, and market leader of quality Australian made dry bulk tankers, and supplier of OEM parts sourced from our worldwide supplier network.

At Convair we are always actively researching and sourcing new and improved parts. If you cannot find the parts you require, contact us and we'll be happy to recommend the best solution for you. Our nationwide coverage of agents can also assist you with your parts and servicing needs.

Ordering Parts

Call us on **(03) 9408-7255** during normal (AEST) business hours to speak with our Customer Service team.

Alternatively, you can email us at **sales@convair.com.au**.

Drop in and say G'day! We are always delighted to see our customers. We are located at **93 Miller Street Epping, Victoria** and are open between 7:00am and 5:00pm.

Stock Availability & Dispatching

Please contact us to check on stock availability or on the progress of a special order.

We will endeavour to dispatch your order on the same day (for orders of in-stock items and placed before midday (AEST)).

If you don't have your own freight forwarder we can organise delivery for you, alternatively If you are local you can pick up directly from us.

Payment Options

We accept Visa and Mastercard credit cards (surcharge applies); EFT transfer payments, and of-course we can offer you a 30 day credit account (conditions apply).

Spare Parts Photos

Please note that the photos used in this catalogue are for illustrative purposes only, and the actual product may differ from that in the photos.

Want More Information

Please refer to our terms and conditions of sale at the back of this catalogue.

Our team of experts are always happy to discuss your specific needs; we can provide you with technical advice, recommendations based on your requirements and fitting/operating instructions for your spare parts.

Don't forget to visit our website **www.convair.com.au** for up-to-date information and an online copy of this catalogue.



Aeration

Filtration

Hatches & Seals

Camlocks

Hoses & Clamps

Pressure Gauges

Collapsible Handrails

Lighting

Valves

Pinch Valves

Tanker Suspension

Hosetubes

Signs & Stickers

General Tanker Spares

Blowers & Compressors

Accessories

Tanker Pipework

AERATION

BTI Tanker Aerators

B204


Aerator disc (blue silicone)

BW204


Aerator disc (EPDM white food grade)

B208


Aerator manifold gasket (blue silicone)

B205


Aerator stem

B210


Aerator tee handle

B215


Aerator tee handle gasket

B211


1-Port aerator manifold

B212


2-Port aerator manifold

B213


3-Port aerator manifold

AERATION

BTI Tanker Aerators

BTI-AERATOR-KIT



5 Piece aerator kit (complete for 1 cone excluding wear plates:
2x 1 port, 2x 2 port, 1x 3 port)

B301



Plenum aerator machined aluminium stem and stainless steel bolt (for internal cones)

Solimar Tanker Aerators

S4124



Aerator disc (blue silicone)

S4164



Aerator disc (EPDM white food grade)

S4124MD



Metal detectable aerator disc (black food grade)

S4127



Aerator manifold gasket (blue silicone)

S4137



Aerator manifold gasket (EPDM white food grade)

S4135



Aerator stem

AERATION

Solimar Tanker Aerators

S4104



Aerator tee handle

S4112



Aerator tee handle O-ring (EPDM white food grade)

S4621



1-Port clear aerator manifold

S4622



2-Port clear aerator manifold

S4623



3-Port clear aerator manifold

S5005



Plenum aerator machined aluminium stem (for front cones)

S7182



Cap screw 3/8" to suit S5005 plenum aerator stem (for front cones)

AERATION

Solimar Silo Aerators

S4304



Silo Fluidizer, 1/2" stainless steel stem, blue silicone disc. Capacity 10-20cfm @ 20-30psi.

S4504



Silo Fluidizer 1" stainless steel stem, blue silicone disc. Capacity 30-50cfm @ 5-10psi.

S4900



Silo aerator fast fit kit (includes alignment plate, sealing washer, nut)

S4910



Silo aerator fast fit installation tool (retaining cable)

Aerator Wear Plates

A106



Aerator wear plate in stainless steel to suit internal cone

A107



Aerator wear plate in stainless steel to suit rear cones

S4126B



Solimar wear plate in stainless steel with silicone backing

AERATION

Aeration Cloths

C003HD



Aeration cloth heavy duty suits
Convair & Kockums bolt on pad
1000mm x 17° cone

C004HD



Aeration cloth heavy duty suits
Convair & Kockums internal weld on
pad 970mm x 22° cone

CE-VASM04-P3



Aeration cloth heavy duty suits Gen 2
Convair 890mm x 40° cone

F1058745



Aeration cloth heavy duty suits
FFB cone

C005HD



Aeration cloth heavy duty suits BPT
850mm x 22° cone

Aeration Gaskets

C034



Flange gasket 700mm dia. to suit
Convair upper aeration pad

C035



Flange gasket 150mm dia. to suit
Convair lower aeration pad

C036



Gasket hold down strip to suit
Convair aeration pad (30mm wide)

AERATION

Aeration Gaskets

CE-VASM04-BW



M6 bonded washer to suit Gen 2
Convair cones

CE-VASM05-P6



Gasket hold down strip to suit Gen 2
Convair 677mm cones

CE-VASM04-P6



Gasket hold down strip to suit Gen 2
Convair 1089mm cones

C052



Gasket hold down strip to suit
Kockums aeration pad (35mm wide)

C053



Gasket hold down strip to suit
Kockums aeration pad (60mm wide)

K4002



Flange gasket 800mm dia. to suit
Kockums upper aeration pad

K4030-1



Blanking flange gasket to suit
Kockums aeration pad

K4030-2



Hold down ring gasket to suit
Kockums aeration pad

C116



Flange gasket to suit BPT upper
aeration pad

AERATION

Aeration Gaskets

CE-VASM05-P1



Upper flange gasket kit to suit Gen 2
Convair 677mm cones

CE-VASM04-P1



Upper flange gasket kit to suit Gen 2
Convair 1089mm cones

CE-VASM04-P2



Lower flange gasket kit to suit Gen
2 Convair (677mm and 1089mm)
cones

FILTRATION

Internal Tanker Filters

C038



Convair internal pancake filter
620mm diameter

F058021



FFB Internal filter sock 120mm
diameter x 600mm length

C002HD



Kockums internal filter sock
heavy duty 220mm diameter x
470mm length

CL-025



Worm drive steel band suit C038
filter sock (2m length)

CL-023



Worm drive steel band to suit
C002HD filter sock (1m length)

External Dust Collection Filters

ENQUIRE



Enquire about external filter bags
(custom made shapes & dimensions)

Aeration

2

Filtration

Hatches & Seals

Camlocks

Hoses & Clamps

Pressure Gauges

Collapsible Handrails

Lighting

Valves

Pinch Valves

Tanker Suspension

Hosetubes

Signs & Stickers

General Tanker Spares

Blowers & Compressors

Accessories

Tanker Pipework

FILTRATION

Inline Air Filters

F004087



3" FFB stainless steel air filter manifold with 5 micron screen

F001607



FFB 5 micron filter element to suit F004087 manifold (500mm long)

F002902



FFB end cap silicone gasket (DN100) to suit F004087 filter

Manifold Air Filters

F1038365



4" FFB stainless steel filter manifold only

F1040998



4" FFB 5 micron filter element to suit F1038365 manifold (595mm long)

F1037692



FFB end cap silicone gasket DN100 (suit F1038365)

F1042639



FFB silicone O-ring DN100 (suit F1038365)

F068106



FFB sight glass sealing kit DN65 (suit F1038365)

F001488



FFB 0-4 bar pressure gauge (bottom mount) to suit F1038365

FILTRATION

Manifold Air Filters

F008942



FFB 0-300°C thermometer gauge to suit F1038365

Discharge Line Filters

BTF-4X6-MF-14M



4" Pneumatic conveying filter fitted with 1/4" screen

BTF-4X6-MF-38M



4" Pneumatic conveying filter fitted with 3/8" screen

BTI-003



Stainless steel 7/16" (11.1mm) filter screen

BTI-004



Stainless steel 1/4" (6.4mm) filter screen

BTI-005



Stainless steel 3/8" (9.5mm) filter screen

ENQUIRE



Enquire about other BTI filter screens and sizes: 5/16" (7.9mm), 5/8" (15.9mm), 1" (25.4mm)

HATCHES & SEALS

Hatch Accessories

3512



20" Steel hatch weld ring including hinge and cam lever lugs (to suit BTI-HATCH-LID)

3467



20" Aluminium hatch weld ring including hinge and cam lever lugs (to suit BTI-HATCH-LID)

C001



Hatch basket to suit 20" hatch, includes installation brackets

BTI Manual Hatch

BTI-GSKT-W-502



20" White hatch seal to suit BTI hatch

BTI-HATCH-LID



Aluminium 20" pressure hatch lid, cam levers, and mounting hardware

BTI-CAM-LEVER-KIT



Hatch lever kit, includes: 5 cam levers, 1 safety catch and mounting hardware to suit BTI hatch

BTI-WEARPLT-K



Wear plate with nuts & bolts to suit BTI hatch

HATCHES & SEALS

Pivotal Edge Auto Hatch

PE102419



Auto hatch seal (inflatable) to suit PE auto hatch

3395



Hatch ring seal (non inflatable)

PE103885-KIT



Auto hatch complete kit, includes: hatch, seals, control box, plumbing

PE103835



Hinge pin assembly, includes: cap, castle nut, thrust washer, bushing, hinge pin, retaining ring, D-ring

PE102664



Slider cover nylon, 1 piece outer ring only (on hatch)

PE102665



Slider cover nylon, 2 piece inner & outer ring (on hatch & manifold)

PE103986-01



3 x 6 Composite cylinder

PE103962-1



Control box (to suit single hatch operation)

CE-FFB005-2



Control box mounting plate

HATCHES & SEALS

Pivotal Edge Auto Hatch

ENQUIRE



Enquire about the full range of Pivotal Edge auto hatch parts

Knappco Manual Hatch

9209



20" White hatch seal (suits new LM1051 hatch)

3395



20" Black hatch seal (suits older LM1010 hatch)

3523



20" White hatch seal (suits older LM1010 hatch)

LM1051



20" Aluminium pressure hatch complete, including: seal, wear plates, levers & mounting hardware

9583



Hatch lever kit, includes: 5 cam levers, 1 safety catch and mounting hardware to suit Knappco hatch

6832



Hatch nylon wear plate

HATCHES & SEALS

Knappco Manual Hatch

6832-1



Nut & bolt to suit 6832 wear plate
(2 per wear plate)

Knappco Auto Hatch

12250AU



Auto hatch seal to suit SLS-2000
hatch (inflatable)

Feldbinder

F008408



Hatch seal (to suit F9004859)

F084450



Discharge cone seal, 800mm
diameter (cone side)

F1030539



Discharge cone seal, 800mm
diameter (vessel side)

Aeration

Filtration

Hatches
& Seals

Camlocks

Hoses &
Clamps

Pressure
Gauges

Collapsible
Handrails

Lighting

Valves

Pinch
Valves

Tanker
Suspension

Hosetubes

Signs
& Stickers

General
Tanker
Spares

Blowers &
Compressors

Accessories

Tanker
Pipework

HATCHES & SEALS

Feldbinder

F9004859



Aluminium hatch

F1056489



Hatch quick action cam lever
(suits F9004859)

F9004522



Brass wear plate to suit FFB hatch

Feldbinder Tipper Tanker

F011519



FFB Inflatable bowl seal
(600 diameter)

F084450



FFB Inflatable bowl seal
(800mm diameter)

F1030539



FFB Large cone seal (F008731)

F1030023



FFB Small cone seal (F008732)

HATCHES & SEALS

Kockums

C026



18" Rubber hatch seal (square profile, suits fitment on top of tanker)

C027



18" Rubber hatch seal (½ round profile, suits fitment in the hatch)

Liquip

C030



20" Hatch seal

C049



18" Hatch seal

PH18-6



Nylon plug
(2 required per handle)

PH18-8



Cam handle

PH18-9



Cam pin (1 required per handle)

PH18-10



Threaded neck pin
(1 required per handle)

HATCHES & SEALS

Liquip

PH18-11



Cam bolt
(1 required per handle)

PH18-12



Lock Screw
(2 required per handle)

Solimar

S3543



20" Hatch seal

S3561



Aluminium pressure hatch lid only approved to 100kPa working pressure

S3516



Pivot bolt
(4 required per hatch)

S3550



Safety latch
(1 required per hatch)

S3528



Clamp assembly
(1 required per hatch)

S3555



Retaining ring
(1 required per hatch)

HATCHES & SEALS

Solimar

S3530



Safety washer
(2 required per hatch)

S3510



Pivot block
(2 required per hatch)

S3531



Hinge bolt
(1 required per hatch)

Fortvale

K5005-53SWR



Hatch seal

K10913SS



Swingbolt pin
(6 required per hatch)

K299-4125



Hinge bolt M10
(1 required per hatch)

K299-4175



Swingbolt M10 x 75mm
(6 required per hatch)

K490-4000



Hatch handle
(6 required per hatch)

K5111-002



Hatch M8 x 8 screw
(6 required per hatch)

HATCHES & SEALS

Fortvale

K5111-110



Hatch M10 x 50 bolt
(6 required per hatch)

K5112-008



Hatch M10 locknut
(24 required per hatch)

K5112-032



Hatch M10 half nut
(6 required per hatch)

K540-F136



Hatch female swingbolt
(6 required per hatch)

CAMLOCKS

NATO Standard

B100-9



4" Aluminium female coupler to hosetail with lockable arms (type C)

NA100-9



4" Aluminium female coupler to hosetail (type C)

NA100-9SS



4" Stainless steel female coupler to hosetail (type C)

NA100-9BR



4" Brass female coupler to hosetail (type C)

NA100-20



4" Aluminium female coupler to female BSP thread (type D)

NA100-22



4" Aluminium male coupler to hosetail (type E)

B100-1



4" Aluminium male coupler to female NPT thread (type A)

NA100-1



4" Aluminium male coupler to female BSP thread (type A)

NA100-1SS



4" Stainless steel male coupler to female BSP thread (type A)

CAMLOCKS

NATO Standard

NA100-4



4" Aluminium male to male joiner
(type AA)

NA100-11



4" Aluminium male camlock dust
plug (type DP)

B100-2



4" Aluminium dustcap with lockable
arms (type DC)

NA100-2



4" Aluminium dustcap (type DC)

B80-9



3" Aluminium female coupler to
hosetail with lockable arms (type C)

NA80-9



3" Aluminium female coupler to
hosetail (type C)

NA80-13



3" Aluminium female coupler to 68°
hometail (type C)

NA80-11



3" Aluminium female coupler to
female BSP thread (type B)

B80-1



3" Aluminium male coupler to female
NPT thread (type A)

CAMLOCKS

NATO Standard

NA80-1



3" Aluminium male coupler to female BSP thread (type A)

B80-2



3" Aluminium dustcap with lockable arms (type DC)

NA80-2



3" Aluminium dustcap (type DC)

Australian Standard

B100-9AS



4" Aluminium female coupler to hosetail with lockable arms machined to Australian standard spec. (type C)

NA100-20AS



4" Aluminium female coupler to female BSP thread machined to Australian standard spec. (type B)

Camlock Seals

NA100-99



4" Camlock seal to suit NATO standard camlocks

S100-99



4" Camlock seal to suit Australian standard spec. camlocks

NA80-99



3" Viton high temperature oil resistant camlock seal

CAMLOCKS

Camlock Accessories

NA100-10



Camlock safety clip to suit
3" & 4" camlocks

NA-ARM



Brass camlock arm to suit
3" & 4" camlocks

NA-PIN



Brass camlock pin to suit
3" & 4" camlocks

HOSES & CLAMPS

Aeration Hoses

H38R



1.5" Industrial EPDM rubber hose, wire reinforced (use between aerators)

H50R



2" Industrial EPDM rubber hose, wire reinforced (use for main aeration, boost & top air)

H65R



2.5" Industrial EPDM rubber hose, wire reinforced (use for main aeration, boost & top air on Kockums tankers)

F001718



2.9" Industrial EPDM rubber hose, 60mm ID, unwired (use for boost & top air on FFB tankers)

Aeration Hose Clamps

CL-021



Galvanised worm drive W1 hose clamp 35-50mm (suit H38R)

CL-002



Stainless steel heavy duty W2 hose clamp 55-59mm (suit H50R)

CL-005



Stainless steel heavy duty W2 hose clamp 73-79mm (suit H65R)

HOSES & CLAMPS

Hot Air Hoses

H75



3" Convair food grade wire reinforced hot air hose (per metre)

H75-3.0



3" Convair food grade wire reinforced hot air hose (pre-cut 3.0m length)

Hot Air Hose Clamps

CL-007



Stainless steel heavy duty W2 hose clamp 85-91mm (suit H75)

Discharge Hoses

H100



4" Convair industrial abrasion resistant, flexible rubber discharge hose (per metre)

H100-4.6



4" Convair industrial abrasion resistant, flexible rubber discharge hose (pre-cut 4.6m length)

H100-5.8



4" Convair industrial abrasion resistant, flexible rubber discharge hose (pre-cut 5.8m length)

HOSES & CLAMPS

Discharge Hoses

H100FG



4" Food grade wire reinforced material handling hose fitted with anti-static wire (20m coil)

H100FLOUR



4" Food grade flour discharge hose fitted with anti-static wire (per metre)

Discharge Hose Clamps

CL-011



Stainless steel heavy duty W2 hose clamp 112-121mm (suit all H100 hoses)

Joining Hoses

HO-002



3.5" Purosil turbo charger hose used for joining 3" hot air pipes (per metre)

H100-J



114mm ID. rubber hose used for joining 4" discharge pipes

F006057



FFB 108mm ID rubber hose for joining discharge pipe (pre-cut 400mm length)

HOSES & CLAMPS

Joining Hose Clamps

CL-008



Stainless steel heavy duty W2 hose clamp 91-97mm (suit HO-002)

CL-012



Stainless steel heavy duty W2 hose clamp 121-130mm (suit H100J & F006057)

Stainless Steel Discharge Hose

HO-005S



4" Radcoflex stainless steel smooth lined discharge hose with welded nipples (per metre)

Hose Accessories

H001



Hose whipcheck cable (steel)

H001N



Hose whipcheck cable (nylon)

H100PR



Discharge hose protection ring (suit H100)

HOSES & CLAMPS

Swivel Couplings

T6207



3" Swivel coupling with female to male BSP thread

B6207



3" Swivel coupling with male coupler to female NPT thread

Hosetails

H38H



1.5" Brass male BSP thread to hosetail (suit ball valve C058)

H50H



2" Brass male BSP thread to hosetail (suit ball valve C012)

H65H



2.5" Brass male BSP thread to hosetail (suit ball valve C018)

H80H



3" Brass male BSP thread to hosetail (suit ball valve C005)

HOSES & CLAMPS

Discharge Pipe Clamps

BTI-001



Pipe coupler to fit 114mm OD discharge pipe

BTI-002



Split gasket for pipe coupler (suit BTI-001)

PRESSURE GAUGES

Tanker Pressure Gauges

C016-1



4" Convair pressure gauge,
3/8" BSP thread (0-250 kPa)

C016



4" Pressure gauge slimline,
3/8" BSP thread (0-250 kPa)

C017



2.5" Pressure gauge 1/4"
BSP thread (0-250 kPa)

F004553



4" FFB pressure gauge 1/2"
BSP for tanker pressure (0-4 bar)

F004719



4" FFB 0-4 bar pressure gauge
1/2" BSP (rear mount)

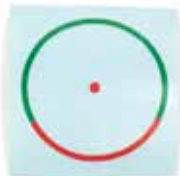
PG100



4" Convair pressure gauge 3/8" BSP
rear mount to suit control panel
(0-250kPa)

Pressure Gauge Accessories

LS-033



Redline sticker for 4" pressure gauge

NATA GAUGE CERT



NATA pressure gauge certificate

PRESSURE GAUGES

Control Air Pressure Gauges

C014	FIT005	PG50
		
1.5" Pressure gauge, rear connection (0-1000 kPa)	Pressure Regulator (to suit C014)	2" Convair pressure gauge rear mount to suit control panel (0-1000kPa)

Suspension Pressure Gauges

C016-2	F004084
	
4" Pressure gauge for air suspension (0-800 kPa)	4" FFB pressure gauge for suspension pressure (0-6 bar)

COLLAPSIBLE HANDRAILS

Handrail Cylinders

CHR-004



Pneumatic cylinder (63 series, 250 stroke x 80 bore) to suit collapsible handrail

CHR-009



Pneumatic handrail cylinder kit, complete

FFB-HR-CYL



Pneumatic cylinder (400mm stroke x 63mm bore) to suit FFB collapsible handrail

Handrail Cylinder Parts

CHR-005



Female clevis for handrail pneumatic cylinder (suit CHR-004)

CHR-006



Rod clevis for handrail pneumatic cylinder (suit CHR-004)

CHR-007



Clevis pin for handrail pneumatic cylinder (suit CHR-004)

Handrail Fittings

AFHRK-001



Banjo flow control 8 x 1/4" (suit CHR-004)

AFHRK-002



Reducing bush 3/8"-1/4" (suit CHR-004)

AFHRK-008



Elbow swivel 8mm x 1/8" (suit CHR-004)

COLLAPSIBLE HANDRAILS

Handrail Fittings

AFHRK-014



Elbow swivel 3/8"x1/4" for air brake (suit CHR-004)

PPV001



Pressure protection valve

ENQUIRE



Enquire about the full range of spare parts for handrails & cylinders

Handrail Switches

CHR-002



Pneumatic control toggle switch (5/2 port) to raise/lower collapsible handrail

CHR-003



Brake interlock 1/4" valve (3/2 port) for collapsible handrail

CHR-008



Push/pull pneumatic control for brake interlock & to raise/lower collapsible handrail

Handrail Parts

F1014912



FFB cast aluminium handrail clamp (2 off required)

F204249



FFB rubber ladder lock (2 pieces)

LIGHTING

Side Marker, Clearance

PH-M-BM-AR-OLD



Side marker light, amber/red, 2 pins,
(suit old style Delphi connector)

PH-M-BM-AR



Side marker light, amber/red, 2 pins,
(suit new style Deutsch connector)

Indicator

PH-M-BM-IND



Indicator light, amber, 2 pins,
(suit old style Delphi connector)

Multifunction

PH-M-BM-INDMULTI-OLD



Multi-function side marker/indicator
light, amber/red, 3 pins, (suit old
style Delphi connector)

PH-M-BM-INDMULTI



Multi-function side marker/indicator
light, amber/red, 4 pins, (suit new
style Deutsch connector)

LIGHTING

Bar Lighting

PH-M-BM-RR



Top of Tanker bar lights, red only, 2 pins for branch setup or 4 pins for daisy chain setup, (suit new style Deutsch connector)

Flexible Side Marker

LIGHTS-FLEXSM-LH



Flexible clearance bumper light, (suit left hand side)

LIGHTS-FLEXSM-RH



Flexible clearance bumper light, (suit right hand side)

Housing Bracket

PH-MB-STD-OLD



Side marker / indicator bracket, (suit old style Delphi lights)

PH-MB-STD



Side marker / indicator bracket, (suit new style Deutsch lights)

LIGHTING

Tail Lights

PH-M-BM-TL-OLD



LED taillight assembly, (suit old style Delphi connector)

PH-M-BM-TL



LED taillight assembly, (suit new style Deutsch connector)

General Lighting

PH-M-BM-WL



LED worklight inc. switch, (suit new style Deutsch connector)

LIGHTS-RL



Reverse light kit, (suit new style Deutsch connector)

LIGHTS-LICENCE-PLATE



Licence plate lights

Pinch Valve Control Panel Lighting

LIGHTS-CPANEL12V-SML



Control panel light kit 12V, 260mm length

LIGHTS-CPANEL12V



Control panel light kit 12V, 444mm length

LIGHTS-CPANEL24V



Control panel light kit 24V, 444mm length

VALVES

Pressure Relief Valve, Aluminium

B023	C023
	
2" BTI aluminium NPT thread PRV, set to nominated kPa	2" Sureseal aluminium NPT thread PRV, set to nominated kPa

Pressure Relief Valve, Brass

C095	C096
	
1.5" Herose brass BSP thread PRV, set to nominated kPa	2" Herose brass BSP thread PRV, set to nominated kPa

Pressure Relief Valve, Certification

PRV CERTIFICATE	NATA PRV CERTIFICATE	SALES-PRV TEST & TAG
		
Convair pressure relief valve certificate	NATA pressure relief valve certificate	Test & re-tag for pressure relief valve

VALVES

Vacuum Relief Valve

F010067



2" Vacuum relief valve

Vacuum Relief Valve Accessories

F9004583



Breather cap for 2" vacuum relief valve (suit F010067)

F001475



Spring for 2" vacuum relief valve (suit F010067)

F005943



Plunger for 2" vacuum relief valve (suit F010067)

Air Ball Valves

C058



1.5" Ball valve (suit barb H38H)

C012



2" Ball valve (suit barb H50H)

C018



2.5" Ball valve (suit barb H65H)

VALVES

Air Ball Valves



3" Ball valve (suit barb H80H)

FFB Air Dump Valves



FFB 2" Air dump valve



FFB Air dump valve handle (suit F1126630)



FFB DN50 replacement gasket (suit F1126630)

Butterfly Valves, BTI



3" Butterfly valve, suits table D flange



4" Butterfly valve, suits table D flange



4" Butterfly valve, with stainless steel disc and white food grade seat, suits Table D flange

VALVES

Butterfly Valves, FFB

F006508



3" butterfly valve with stainless steel disc and white food grade seat (no handle)

F006505



4" Butterfly valve with steel disc and white food grade seat (no handle)

F010580



5" butterfly valve with stainless steel disc and white food grade seat (no handle)

F002689



FFB butterfly valve handle (suit FFB butterfly valves)

Check Valve, Spring Loaded

BTI-CV3022



BTI 3" aluminium check valve spring loaded poppet

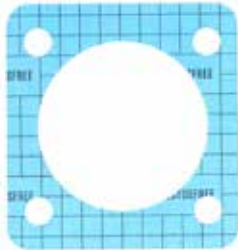
VA0011



Knappco 3" aluminium check valve spring loaded swing

VALVES

Check Valve Accessories

C042	C044	VA0011-1
		
3" Steel flange to suit spring check valves	3" Gasket to suit spring check valves	Replacement lid and poppet assembly (suit VA0011)

Check Valve, Inclined Seat

F004642

Complete 2" inclined seat check valve

Check Valve, Inclined Seat Parts

F004621	F004622	F004638
		
Cap for 2" inclined seat check valve (suit F004642)	Seat for 2" inclined seat check valve (suit F004642)	Spring for 2" inclined seat check valve (suit F004642)

VALVES

Check Valve, Swing

C025-1



2" Brass check valve

C024



2.5" Brass check valve

C040-1



3" Brass check valve

Discharge Ball Valves

F011264



Prokosch 4" flange ball valve
(no handle)

F003709



Prokosch 4" ball valve handle
(suit F011264)

T5140E



TODO 4" ball valve, aluminium ball
& body, Teflon seat, stainless steel
spindle (new style)

Discharge Ball Valve Accessories

T5060C-4407



Todo Spindle assembly
(suit older style valves)

T5169-3



Todo 4" Steel guide ring
(suit older style valves)

T517207



Todo 4" Large O-ring
(suit older style valves)

VALVES

Discharge Ball Valve Accessories

T5274



Todo 4" Teflon seat & O-ring (suit older style valves)

Extension Handle Uni Joints

UJ001



Universal Joining yoke, to suit 3/4" shaft size 10-4-13

UJ002



Bearing for universal joint (suit UJ001)

PINCH VALVES

AKO Pinch Valves

VMP040.03X.72



40mm POM socket pinch valve, fitted with natural rubber sleeve

VF050.03X.33.30LA



50mm VF model pneumatic pinch valve, powder coated aluminium body & flanges, fitted with natural rubber sleeve

VF050.03X.333.30LA



50mm VF model pneumatic pinch valve, powder coated aluminium body & flanges, fitted with natural rubber sleeve & flange sleeves

VF080.03X.31.30LA



80mm VF model pneumatic pinch valve, powder coated aluminium body, steel bushed flanges, fitted with natural rubber sleeve

VF100.03X.31.30LA



100mm VF model pneumatic pinch valve, powder coated aluminium body, steel bushed flanges, fitted with natural rubber sleeve

VF100.03X.33.30LA



100mm VF model pneumatic pinch valve, powder coated aluminium body & flanges, fitted with natural rubber sleeve

VF100.03X.333.30LA



100mm VF model pneumatic pinch valve, powder coated aluminium body & flanges, fitted with natural rubber sleeve & flange sleeves

VT100.03X.33.30



100mm VT model pneumatic pinch valve, unpainted aluminium body & flanges, fitted with natural rubber sleeve

PINCH VALVES

AKO Pinch Valves (Air Operated)

VT Series



Air operated Pinch Valves of VT Series

Aluminium design with semi-silo trailer connection acc. to DIN28459.

The ideal valve solution for abrasive, corrosive and fibrous products like granules, powders, solids of all kinds and so on.

- Free passage
- Optimum tightness
- Low resistance
- No plugging
- Low weight
- Easy maintenance

Materials:

Valve body: Aluminium unpainted, (DN80 painted)

Flange: Aluminium unpainted

Sleeves:

Natural rubber (NR) anti-abrasive, NR food quality, NR high temp., NBR, NBR food quality, EPDM, EPDM food quality, CR, IIR, CSM

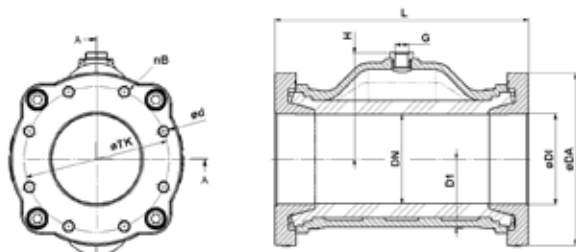
Accessories:

Solenoid valves, pressure switch, safety arrangement, vacuum unit etc.

DN / DI (mm)	DA (mm)	D1 (mm)	d (mm)	nB	screws	TK (mm)	L (mm)	H (mm)	G (inch)	PS max (bar)	weight (kg)	Volume (l)* (ca./ approx)
80	154,5	80	M10x1,5	8	4	130	227	95	G 1/4"	6	4,1	0,88
100	185	100	M12x1,75	8	4	150	280	83	G 1/4"	6	6,1	1,5

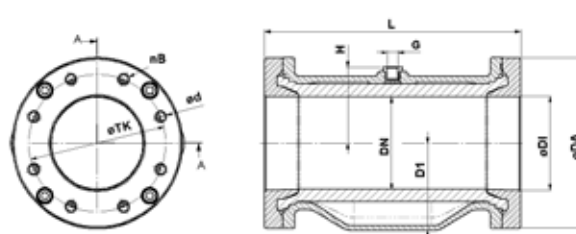
* Volume = Control volume with closed sleeve

DN 80



VMC80.xx.33FT.30LX

DN 100



VT100.xx.33.30

PINCH VALVES

AKO Pinch Valves (Air Operated)

VF Series



Aluminum flange



Aluminum flange with internal thread



Aluminum flange with steel / stainless steel bushing



Aluminum flange with steel / stainless steel bushing & internal thread



Aluminum flange with flange sleeve

Pinch Valves as shut-off Valves

Due to its simple structure, AKO's air operated pinch valve represents a particularly low cost/economic shut-off valve solution, because a separate drive is not required for actuating them.

In fact, only a 3/2-way solenoid valve or pilot valve is needed to control them.

Sleeves:

Natural rubber (NR) anti-abrasive, NR food quality, NR high temp., EPDM, EPDM food black, EPDM food pale, NBR, NBR food black, NBR food pale, FPM/FKM, silicone, CR, CSM, IIR

Materials:

Body: Aluminum

Flange: Aluminum

Valve finish:

Powder coated 60-80µm white RAL9010

Accessories:

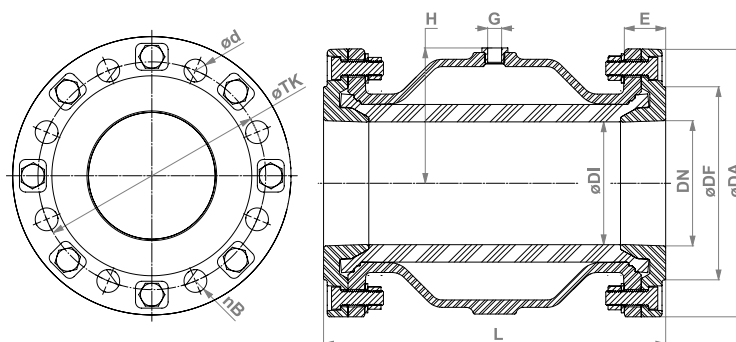
Operating / medium pressure, max: 3,0 - 6,0 bar

Control / closing pressure, max: 5,0 - 8,0 bar

Differential pressure: 2,0 - 3,5 bar

varies depending on diameter / sleeve

DN (mm)	ØDI (mm)	ØDA (mm)	ØDF (mm)	nB*	Ød (mm)	ØTK (mm)	L (mm)	G (inch)	H (mm)	E (mm)	Weight (kg)	Volume (l)**	Internal thread GT depth (mm)	GT depth (mm)
40	40	150	88	4	18	110	155	G ¼"	56	28	2,9	0,20	G 1 ½"	19
50	50	165	102	4	18	125	183	G ¼"	65	30	3,8	0,30	G 2"	24
65	65	185	122	4	18	145	183	G ¼"	81	28	4,3	0,45	G 2 ½"	22
80	80	200	138	8	18	160	228	G ¼"	95	31	5,6	0,95	G 3"	22
100	100	220	158	8	18	180	280	G ¼"	112	35	8,5	1,70	G 4"	20
125	118	250	184	8	18	210	348	G ¼"	136	40	12,1	3,50	-	-
150	145	285	212	8	22	240	418	G ¼"	160	43	17,0	7,00	-	-
200	190	340	268	8	22	295	558	G ⅜"	206	60	33,2	15,50	-	-
250	250	395	320	12	22	350	680	G ½"	266	67	56,0	30,00	-	-
300	300	445	370	12	22	400	820	G ½"	306	70	86,0	49,00	-	-



Flange connection pursuant to DIN PN 10. ANSI on request.

* Note: Internal thread suitable for conical external thread (R) (connection thread)

** Volume = Control volume with closed sleeve

PINCH VALVES

AKO Pinch Valves (Air Operated)

VM Series



Air operated Pinch Valves of VM Series

The ideal valve solution for abrasive, corrosive and fibrous products like granules, powders, suspensions, sludge/slurries, dust and so on.

- Free passage
- Optimum tightness
- Low resistance
- No plugging
- Low weight

Pinch Valve Accessories to be found on our data sheet “Pinch Valve Accessories”.

Materials:

Valve body: PVC
Aluminium, stainless steel upon request

Socket:

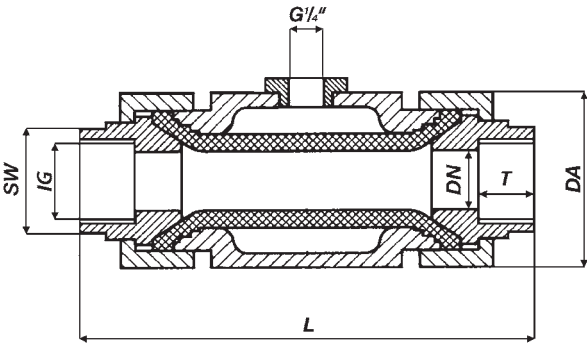
PVC
Stainless steel, POM upon request.

Sleeves:

Natural rubber (NR) anti-abrasive, NR food quality, NBR, NBR food, EPDM, EPDM food, silicone, FPM, CR, CSM

Min. differential pressure to close the valve:
2-4 bar (varies depending on diameter/sleeve)

DN (mm)	IG (inch)	T (mm)	SW (mm)	L (mm)	DA (mm)	PS max. (bar)
10	G $\frac{3}{8}$ "	16	24	122	46	6
15	G $\frac{1}{2}$ "	18	36	134	60	6
20	G $\frac{3}{4}$ "	19	36	140	60	6
25	G1"	20	46	145	75	6
32	G1 $\frac{1}{4}$ "	25	52	170	85	6
40	G1 $\frac{1}{2}$ "	26	65	200	100	6
50	G2"	24	80	213	120	6



PINCH VALVES

AKO Pinch Valves (Air Operated)

VMP Series



DN 10 – DN 15



DN 20 – DN 25



DN 32 – DN 40



DN 50

Reliable and cost-effective!

The compact valve solution for the shut off. For example dust, granule, powder, suspension, sewage, air venting etc.

Advantages

- Extremely compact
- Weight reduced by 25 %
- Suitable for food applications
- Explosion protected design
- Excellent weather resistance
- Complete free passage
- No plugging
- 100 % tight shut off
- Easy maintenance and re-sleeving

Connection type

Internal thread acc. DIN ISO 228
or Internal thread acc. ANSI / ASME B1.20.1 (NPT)

Body / Socket ends *

POM white: food grade (FDA approved)
POM black: excellent weather resistance
POM conductive: for areas at risk of explosions

* Stainless steel (1.4404) socket end covers available in nominal diameter DN 10 & DN 15.

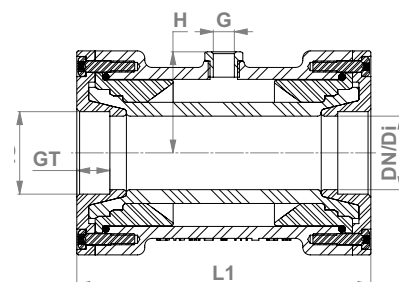
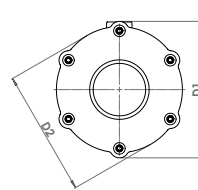
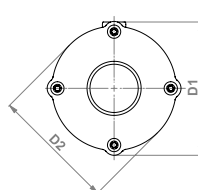
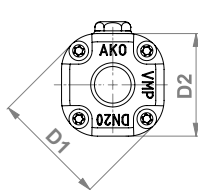
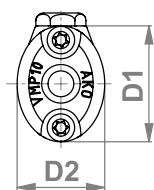
Sleeves

Natural rubber (NR) anti-abrasive, NR food quality, EPDM, NBR, CSM, IIR, CR (neoprene)

Others on request

DN / Di (mm)	IG (inch)	GT (mm)	L1 (mm)	D1 (mm)	D2 (mm)	G (mm)	H (inch)	Screws	vol. (l) (ca. / approx.)	Weight (kg)
10	G 3/8"	12	80	45	34	G 1/8"	27,5	4	0,03	0,12
15	G 1/2"	14	95	55	46	G 1/8"	32,5	4	0,04	0,31
20	G 3/4"	17	103	63	56	G 1/8"	34,5	8	0,04	0,31
25	G 1"	17	120	75	70	G 1/8"	40,0	8	0,08	0,50
32	G 1 1/4"	18	135	98	90	G 1/4"	48,0	8	0,15	0,66
40	G 1 1/2"	18	160	111	103	G 1/4"	55,0	8	0,30	0,97
50	G 2"	24	170	130	120	G 1/4"	64,0	12	0,45	1,50

Internal thread (G) and Internal thread (N)



** Volume = Control volume with closed sleeve

*** Weight for VMP valves with stainless steel socket: DN 10 = 0,30 kg / DN 15 = 0,40 kg

PINCH VALVES

AKO Pinch Valves (Air Operated)

VMC Series



Aseptic flange



Aseptic Tri-Clamp



Aseptic threaded spigot



Flange



Internal thread



Tri-Clamp



Weld-on end



Threaded spigot

The air operated Pinch Valves of VMC series fulfill all requirements of the Pressure Equipment Directive 2014/68/EU.

Air operated Pinch Valve of VMC Series

The flexible modular system for detachable and aseptic piping connections!

The ideal solution for isolation and regulation of solids of all kinds, suspensions, pastes, gaseous, fibrous and viscous media.

Advantages:

- Flexible modular system
- Various connection options
- Extremely compact
- Light weight
- Complete free passage
- No dead spots
- Easy maintenance and re-sleeving
- 100% tight shut off
- Competitive

Connection options:

- Flange
- Aseptic flange
- Internal thread
- Tri-Clamp
- Aseptic Tri-Clamp
- Weld-on ends
- Threaded spigot (RJT connection)
- Aseptic threaded spigot
- Threaded hose nozzle connection

Materials:

Body:	Stainless steel (1.4408)
	Aluminum
Socket Connection:	Plastic (POM) (VMP series)
	Stainless steel (1.4404)
	Plastic (POM)
	Aluminum

Sleeves:

NR abrasion resistant, NR food quality, EPDM, EPDM food quality, NBR, NBR food quality, CSM, IIR, CR, Silicone, FPM / FKM, etc. ...others on request.

Pressures:

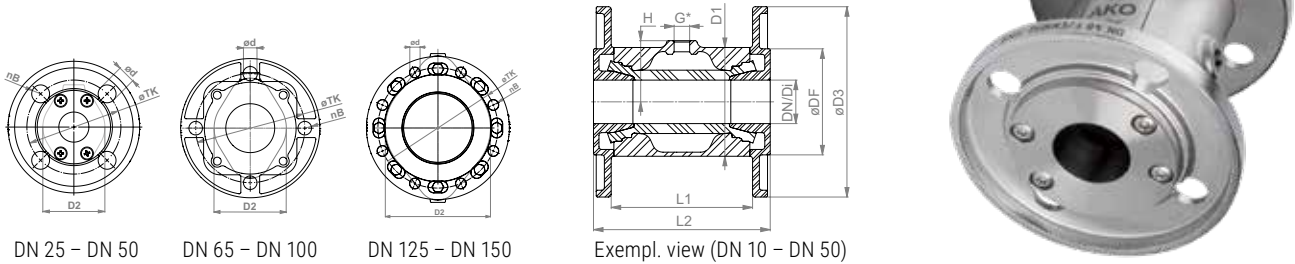
Operating / medium pressure max.:	~ 6 bar
Control / closing pressure max.:	8 bar
Differential pressure:	2 - 3,5 bar

varies depending on diameter & sleeve

PINCH VALVES

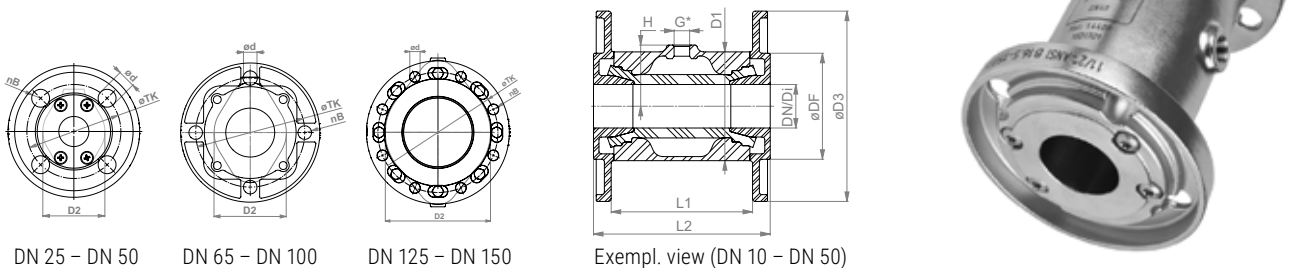
AKO Pinch Valves (Air Operated)

VMC Series – Flange (F)



DN / Di (mm)	D1 (mm)	D2 (mm)	ø D3 (mm)	ø DF (mm)	* nB	ø d (mm)	ø TK (mm)	L1 (mm)	L2 (mm)	G (inch)	H (mm)	¹ vol. (l) (ca. / approx.)	Weight (kg)	Weight (kg)
25	72	57	115	68	4	14	85	96	125	G 1/8"	37	0,09	2,4	1,7
32	80	66	140	78	4	18	100	104	130	G 1/4"	45	0,13	2,9	2,2
40	90	77	150	88	4	18	110	119	155	G 1/4"	50	0,22	4,0	2,8
50	110	88	165	106	4	18	125	149	185	G 1/4"	60	0,36	5,8	4,4
65	139	102	185	122	4	18	145	133	170	G 1/4"	74	0,44	5,5	4,9
80	173	126	200	138	4	18	160	173	213	G 1/4"	90	0,88	7,5	6,2
100	203	146	220	158	8	18	180	224	264	G 1/4"	107	1,80	12,2	-
125	252	184	250	187	8	18	210	286	336	G 1/4"	130	2,70	26,2	-
150	301	257	285	212	8	22	240	356	406	G 1/4"	155	6,95	37,1	-
													(E)+(E)	(A)+(E)

VMC Series – Flange (FA)



DN (mm)	Di (mm)	D1 (mm)	D2 (mm)	D3 (mm)	DF (mm)	* nB	d (mm)	TK (mm)	L1 (mm)	L2 (mm)	L2 (mm)	G (inch)	H (mm)	¹ vol. (l) (ca. / approx.)	Weight (kg)	Weight (kg)	Weight (kg)
40	40,9	90	77	127,0	90	4	15,7	98,6	120	155	155	G 1/4"	50	0,22	3,4	2,5	2,0
50	52,6	110	88	152,4	92	4	19,1	120,7	149	187	187	G 1/4"	60	0,36	5,3	3,9	3,2
65	62,7	139	102	177,8	105	4	19,1	139,7	133	178	174	G 1/4"	74	0,44	5,9	5,3	3,7
80	78,0	173	126	190,3	127	4	19,1	152,4	173	221	217	G 1/4"	90	0,88	8,1	7,1	4,8
100	102,4	203	146	228,6	157	8	19,1	190,5	224	272	268	G 1/4"	107	1,80	13,4	9,3	7,4
125	121,0	252	184	254,0	185	8	22,5	215,9	286	334	-	G 1/4"	130	2,7	25,0	-	-
150	154,1	301	257	279,4	215	8	22,5	241,3	356	406,8	-	G 1/4"	155	6,95	36,5	-	-
													(A)+(E)		(E)+(E)	(A)+(E)	(A)+(A)
													(E)+(E)		(E)+(E)	(A)+(E)	(A)+(A)

* Number of holes

1 Volume = Control volume with closed sleeve

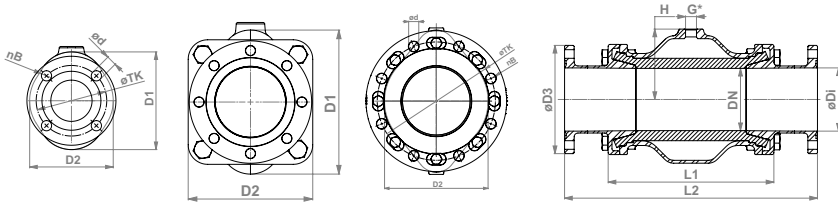
2 Screw nuts (M16) for assembling counter flange are non-rotatable at Pinch Valve body

Technical details subject to change without notice.

PINCH VALVES

AKO Pinch Valves (Air Operated)

VMC Series – Aseptic Flange (RF)



DN 25 – DN 50

DN 65 – DN 100

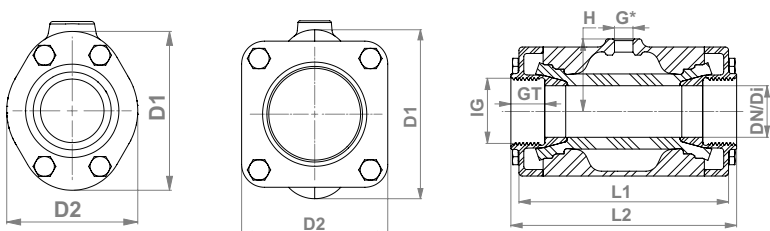
DN 125 – DN 150

Exempl. view (DN 65 – DN 100)

DN (mm)	Di (mm)	D1 (mm)	D2 (mm)	ø D3 (mm)	* nB	ø d (mm)	ø TK (mm)	L1 (mm)	L2 (mm)	G (inch)	H (mm)	1vol. (l) (ca. / approx.)	Weight (kg)	Weight (kg)
10	10	46	35	54	4	9	37	68	195	G 1/8"	23	0,03	0,9	-
15	16	56	47	59	4	9	42	85	220	G 1/8"	28	0,05	1,2	-
20	20	62	49	64	4	9	47	93	232	G 1/8"	32	0,07	1,5	1,06
25	26	72	57	70	4	9	53	110	245	G 1/8"	37	0,09	2,0	1,42
32	32	80	66	76	4	9	59	130	268	G 1/4"	45	0,13	2,5	1,80
40	38	90	77	82	4	9	65	150	280	G 1/4"	50	0,22	3,2	2,28
50	50	110	88	94	4	9	77	175	306	G 1/4"	60	0,36	4,7	3,34
65	66	133	115	113	8	9	95	173	324	G 1/4"	74	0,44	5,5	4,40
80	81	166	133	133	8	11	112	213	370	G 1/4"	90	0,88	7,9	6,42
100	100	203	156	159	8	11	137	264	421	G 1/4"	107	1,80	14,2	10,04
125	125	252	184	250	8	18	210	330	476	G 1/4"	130	2,70	28,0	-
150	150	301	257	285	8	22	240	406	556	G 1/4"	155	6,95	40,3	-

(E)+(E) (A)+(E)

VMC Series – Internal Thread (G)



DN 10 – DN 50

DN 65 – DN 100

Exempl. view (DN 10 – DN 50)

DN / Di (mm)	D1 (mm)	D2 (mm)	IG (inch)	GT (mm)	L1 (mm)	L2 (mm)	G (inch)	H (mm)	1vol. (l) (ca. / approx.)	Weight (kg)	Weight (kg)	Weight (kg)	Weight (kg)	Weight (kg)
10	46	35	G 3/8"	12	68	80	G 1/8"	23	0,03	0,5	-	-	0,2	-
15	56	47	G 1/2"	15	85	95	G 1/8"	28	0,05	0,8	-	-	0,4	-
20	62	49	G 3/4"	17	93	103	G 1/8"	32	0,07	0,9	0,5	0,4	-	0,45
25	72	57	G 1"	20	110	120	G 1/8"	37	0,09	1,3	0,8	0,5	-	0,60
32	80	66	G 1 1/4"	21	130	140	G 1/4"	45	0,13	1,7	1,1	0,7	-	0,80
40	90	77	G 1 1/2"	21	150	160*	G 1/4"	50	0,22	2,4	1,5	0,9	-	1,15
50	110	88	G 2"	25	175	185	G 1/4"	60	0,36	3,6	2,2	1,6	-	1,80
65	139	115	G 2 1/2"	30	173	200	G 1/4"	74	0,44	4,0	3,0	-	-	-
80	173	133	G 3"	33	213	230	G 1/4"	90	0,88	5,6	4,4	-	-	-
100	203	156	G 4"	20	264	280	G 1/4"	107	1,80	11,0	6,6	-	-	-

(E)+(E) (A)+(E) (A)+(P) (P)+(E) (A)+(A)

* Alternatively available is our K-variant -> length = 150mm
1 Volume = Control volume with closed sleeve

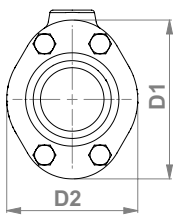
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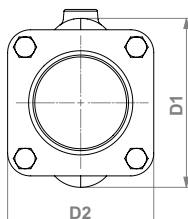
PINCH VALVES

AKO Pinch Valves (Air Operated)

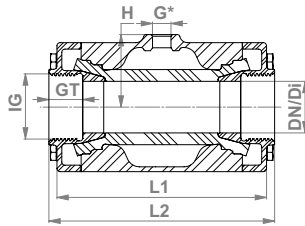
VMC Series – Internal Thread (N)



DN 10 – DN 50



DN 65 – DN 100

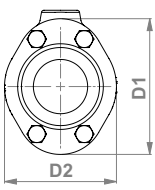


Exempl. view (DN 10 – DN 50)

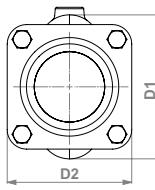


DN / Di (mm)	D1 (mm)	D2 (mm)	IG (inch)	GT (mm)	L1 (mm)	L2 (mm)	G (inch)	H (mm)	¹ vol. (l) (ca. / approx.)	Weight (kg)	Weight (kg)	Weight (kg)	Weight (kg)	Weight (kg)
10	46	35	G ³ / ₈ "	12	68	80	G 1/8"	23	0,03	0,5	-	-	0,2	-
15	56	47	G ¹ / ₂ "	15	85	95	G 1/8"	28	0,05	0,8	-	-	0,4	-
20	62	49	G ³ / ₄ "	17	93	103	G 1/8"	32	0,07	0,9	0,5	0,4	-	0,45
25	72	57	G 1"	20	110	120	G 1/8"	37	0,09	1,3	0,8	0,5	-	0,60
32	80	66	G 1 ¹ / ₄ "	21	130	140	G 1/4"	45	0,13	1,7	1,1	0,7	-	0,80
40	90	77	G 1 ¹ / ₂ "	21	150	160*	G 1/4"	50	0,22	2,4	1,5	0,9	-	1,15
50	110	88	G 2"	25	175	185	G 1/4"	60	0,36	3,6	2,2	1,6	-	1,80
65	139	115	G 2 ¹ / ₂ "	30	173	200	G 1/4"	74	0,44	4,0	3,0	-	-	-
80	173	133	G 3"	33	213	230	G 1/4"	90	0,88	5,6	4,4	-	-	-
100	203	156	G 4"	20	264	280	G 1/4"	107	1,80	11,0	6,6	-	-	-
										(E)+(E)	(A)+(E)	(A)+(P)	(P)+(E)	(A)+(A)

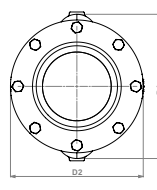
VMC Series – Tri-Clamp (T)



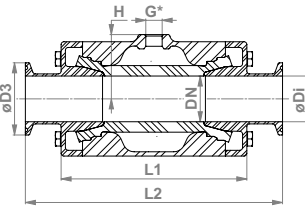
XXX



XXX



XXX



XXX



DN (mm)	ø Di (mm)	D1 (mm)	D2 (mm)	ø D3 (mm)	L1 (mm)	L2 (mm)	G (inch)	H (mm)	¹ vol. (l) (ca. / approx.)	Weight (kg)	Weight (kg)	Weight (kg)
10	10	46	35	34	68	115	G 1/8"	23	0,03	0,5	-	0,3
15	16	56	47	34	85	130	G 1/8"	28	0,05	0,9	-	0,5
20	20	62	49	34	93	150	G 1/8"	32	0,07	1,0	0,6	-
25	26	72	57	50,50	110	160	G 1/8"	37	0,09	1,5	1,0	-
32	32	80	66	50,50	130	180	G 1/4"	45	0,13	1,9	1,3	-
40	38	90	77	50,50	150	200	G 1/4"	50	0,22	2,6	1,7	-
50	50	110	88	64	175	230	G 1/4"	60	0,36	3,9	2,5	-
65	66	139	115	91	173	216	G 1/4"	74	0,44	4,3	3,3	-
80	81	173	133	106	213	254	G 1/4"	90	0,88	6,2	4,8	-
100	100	203	156	119	264	305	G 1/4"	107	1,80	11,4	7,3	-
125	120	252	184	155	330	390	G 1/4"	130	2,7	25,7	-	-
150	150	301	257	183	406	466	G 1/4"	155	6,95	36,7	-	-
										(E)+(E)	(A)+(E)	(P)+(E)

* Alternatively available is our K-variant -> length = 150mm
1 Volume = Control volume with closed sleeve

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Valves

10

Pinch
Valves

Tanker
Suspension

Hosetubes

Signs
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General
Tanker
Spares

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Compressors

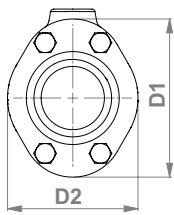
Accessories

Tanker
Pipework

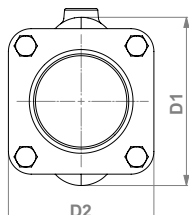
PINCH VALVES

AKO Pinch Valves (Air Operated)

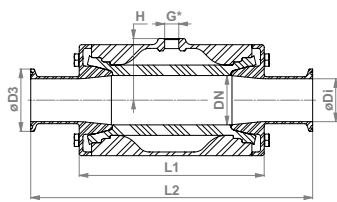
VMC Series – Tri-Clamp (TA)



DN 10 – DN 50



DN 65 – DN 100

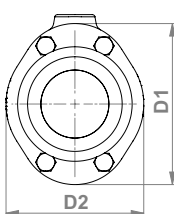


Exempl. view (DN 65 – DN 100)

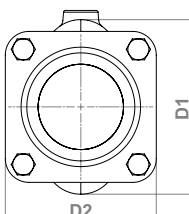


DN (mm)	ø Di (mm)	D1 (mm)	D2 (mm)	ø D3 (mm)	L1 (mm)	L2 (mm)	L2 (inch)	G (inch)	H (mm)	1vol. (l) (ca. / approx.)	Weight (kg)	Weight (kg)	Weight (kg)
10	7,75	46	35	25	68	114,3	4,5	G 1/8"	23	0,03	0,5	-	0,3
15	9,4	56	47	25	85	139,7	5,5	G 1/8"	28	0,05	0,8	-	0,4
20	15,75	62	49	25	93	152,4	6	G 1/8"	32	0,07	1,0	0,6	-
25	22,10	72	57	50,50	110	152,4	6	G 1/8"	37	0,09	1,5	1,0	-
40	34,8	90	77	50,50	150	228,6	9	G 1/4"	50	0,22	2,7	1,9	-
50	47,50	110	88	64	175	228,6	9	G 1/4"	60	0,36	4,0	2,6	-
65	60,20	139	115	77,50	173	228,6	9	G 1/4"	74	0,44	4,6	3,9	-
80	72,90	173	133	91	213	304,8	12	G 1/4"	90	0,88	6,4	5,3	-
100	97,38	203	156	119	264	355,6	14	G 1/4"	107	1,80	11,7	7,7	-
											(E)+(E)	(A)+(E)	(P)+(E)

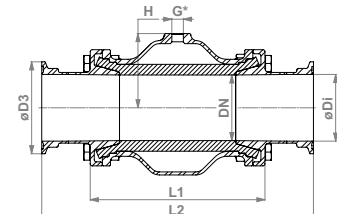
VMC Series – Aseptic Tri-Clamp (RT)



DN 10 – DN 50



DN 65 – DN 100



Exempl. view (DN 65 – DN 100)



DN (mm)	ø Di (mm)	D1 (mm)	D2 (mm)	ø D3 (mm)	L1 (mm)	L2 (mm)	G (inch)	H (mm)	1vol. (l) (ca. / approx.)	Weight (kg)	Weight (kg)
10	10	46	35	34	68	191	G 1/8"	23	0,03	0,6	-
15	16	56	47	34	85	216	G 1/8"	28	0,05	0,9	-
20	20	62	49	50,5	93	228	G 1/8"	32	0,07	1,2	0,76
25	26	72	57	50,5	110	242	G 1/8"	37	0,09	1,6	1,04
32	32	80	66	50,5	130	266	G 1/4"	45	0,13	2,1	1,32
40	38	90	77	64	150	278	G 1/4"	50	0,22	2,7	1,80
50	50	110	88	77,5	175	305	G 1/4"	60	0,36	4,1	2,78
65	66	133	115	91	173	329	G 1/4"	74	0,44	4,7	3,62
80	81	166	133	106	213	371	G 1/4"	90	0,88	6,5	5,10
100	100	203	156	130	264	425	G 1/4"	107	1,80	12,0	7,90
										(E)+(E)	(A)+(E)

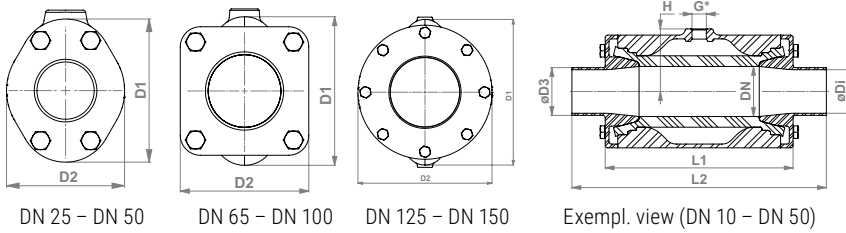
1 Volume = Control volume with closed sleeve

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PINCH VALVES

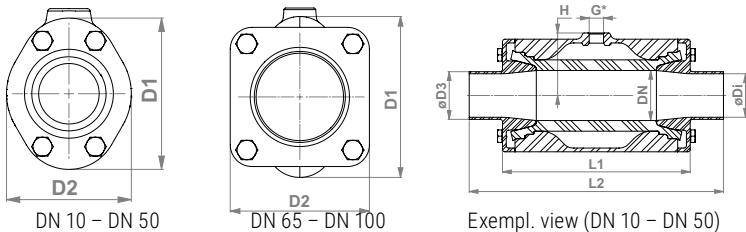
AKO Pinch Valves (Air Operated)

VMC Series – Weld-on ends (R)



DN (mm)	ø Di (mm)	D1 (mm)	D2 (mm)	ø D3 (mm)	L1 (mm)	L2 (mm)	G (inch)	H (mm)	¹ vol. (l) (ca. / approx.)	Weight (kg)	Weight (kg)	Weight (kg)
10	10	46	35	13x1,5	68	115	G 1/8"	23	0,03	0,5	-	0,3
15	16	56	47	19x1,5	85	140	G 1/8"	28	0,05	0,8	-	0,5
20	20	62	49	23x1,5	93	152	G 1/8"	32	0,07	1,0	0,6	-
25	26	72	57	29x1,5	110	165	G 1/8"	37	0,09	1,4	0,9	-
32	32	80	66	35x1,5	130	178	G 1/4"	45	0,13	1,9	1,2	-
40	38	90	77	41x1,5	150	190	G 1/4"	50	0,22	2,5	1,6	-
50	50	110	88	53x1,5	175	216	G 1/4"	60	0,36	3,8	2,5	-
65	66	139	115	70x2	173	216	G 1/4"	74	0,44	4,2	3,2	-
80	81	173	133	85x2	213	254	G 1/4"	90	0,88	6,0	4,6	-
100	100	203	156	104x2	264	305	G 1/4"	107	1,80	11,3	7,2	-
125	125	252	184	129x2	330	356	G 1/4"	130	2,70	24,6	-	-
150	150	301	257	154x2	406	436	G 1/4"	155	6,95	35,5	-	-
										(E)+(E)	(A)+(E)	(P)+(E)

VMC Series – Weld-on ends (RA)



DN (mm)	ø Di (mm)	D1 (mm)	D2 (mm)	ø D3 (mm)	L1 (mm)	L2 (mm)	L2 (inch)	G (inch)	H (mm)	¹ vol. (l) (ca. / approx.)	Weight (kg)	Weight (kg)	Weight (kg)
10	7,75	46	35	9,53	68	101,6	4	G 1/8"	23	0,03	0,5	-	0,2
15	9,40	56	47	12,70	85	127,0	5	G 1/8"	28	0,05	0,8	-	0,4
20	15,75	62	49	19,05	93	152,4	6	G 1/8"	32	0,07	1,0	0,6	-
25	22,10	72	57	25,40	110	152,4	6	G 1/8"	37	0,09	1,5	0,9	-
40	34,80	90	77	38,10	150	203,2	8	G 1/4"	50	0,22	2,6	1,7	-
50	47,50	110	88	50,80	175	228,6	9	G 1/4"	60	0,36	3,9	2,5	-
65	60,20	139	115	63,50	173	228,6	9	G 1/4"	74	0,44	4,3	3,5	-
80	72,90	173	133	76,20	213	279,4	11	G 1/4"	90	0,88	6,2	5,1	-
100	97,38	203	156	101,60	264	330,2	13	G 1/4"	107	1,80	11,6	7,5	-
										(E)+(E)	(A)+(E)	(P)+(E)	

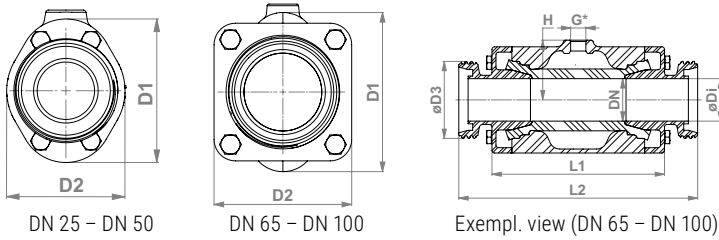
¹ Volume = Control volume with closed sleeve

Technical details subject to change without notice.

PINCH VALVES

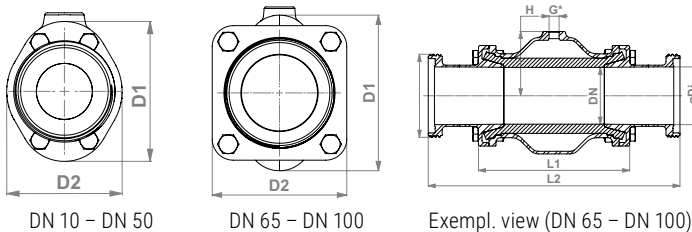
AKO Pinch Valves (Air Operated)

VMC Series – Threaded spigot (M)



DN (mm)	ø Di (mm)	D1 (mm)	D2 (mm)	D3	G (inch)	H (mm)	L1 (mm)	L2 (mm)	¹ vol. (l) (ca. / approx.)	Weight (kg)	Weight (kg)	Weight (kg)
10	10	46	35	Rd28x1/8"	G 1/8"	23	68	115	0,03	0,5	-	0,3
15	16	56	47	Rd34x1/8"	G 1/8"	28	85	130	0,05	0,9	-	0,5
20	20	62	49	Rd44x1/6"	G 1/8"	32	93	150	0,07	1,1	0,7	-
25	26	72	57	Rd52x1/6"	G 1/8"	37	110	160	0,09	1,6	1,1	-
32	32	80	66	Rd58x1/6"	G 1/4"	45	130	180	0,13	2,1	1,5	-
40	38	90	77	Rd65x1/6"	G 1/4"	50	150	200	0,22	2,8	1,9	-
50	50	110	88	Rd78x1/6"	G 1/4"	60	175	230	0,36	4,2	2,9	-
65	66	139	115	Rd95x1/6"	G 1/4"	74	173	296	0,44	4,8	4,1	-
80	81	173	133	Rd110x1/4"	G 1/4"	90	213	344	0,88	6,8	5,7	-
100	100	203	156	Rd130x1/4"	G 1/4"	107	264	413	1,80	12,6	8,5	-
										(E)+(E)	(A)+(E)	(P)+(E)

VMC Series – Aseptic Threaded spigot (RM)



DN (mm)	ø Di (mm)	D1 (mm)	D2 (mm)	D3	G (inch)	H (mm)	L1 (mm)	L2 (mm)	¹ vol. (l) (ca. / approx.)	Weight (kg)	Weight (kg)
10	10	46	35	Rd28x1/8"	G 1/8"	23	68	197	0,03	0,6	-
15	16	56	47	Rd34x1/8"	G 1/8"	28	85	222	0,05	1,0	-
20	20	62	49	Rd44x1/6"	G 1/8"	32	93	238	0,07	1,3	0,86
25	26	72	57	Rd52x1/6"	G 1/8"	37	110	251	0,09	1,8	1,22
32	32	80	66	Rd58x1/6"	G 1/4"	45	130	274	0,13	2,3	1,56
40	38	90	77	Rd65x1/6"	G 1/4"	50	150	286	0,22	3,0	2,04
50	50	110	88	Rd78x1/6"	G 1/4"	60	175	312	0,36	4,3	3,06
65	66	133	115	Rd95x1/6"	G 1/4"	74	173	336	0,44	5,1	4,10
80	81	166	133	Rd110x1/4"	G 1/4"	90	213	382	0,88	7,4	5,98
100	100	203	156	Rd130x1/4"	G 1/4"	107	264	433	1,80	13,0	8,80
										(E)+(E)	(A)+(E)

¹ Volume = Control Volume with closed sleeve

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PINCH VALVES

AKO Pinch Valves (Air Operated)

VMCE Series



Weld-on end



Aseptic Tri-Clamp



Tri-Clamp**



Aseptic Flange



Aseptic Threaded spigot

Aseptic design for hygienic safe processes

The AKO aseptic Pinch Valves of Series VMCE captivate by their sanitary design.

Excellent cleanability when installed, a flexible modular system, as well as the longevity of the pinch valve sleeve are only three of the advantages of this Pinch Valve series.

Installed in pipes, they take either an absolutely tight open-close shut-off function or can be used with the help of an electro-pneu-matic proportional valve for coarse control or dosage of a product stream.

The air operated Pinch Valves Series VMCE are available in nominal sizes DN 10 – 100.

EHEDG certified

The pinch valves are characterized by an

- easy-to-clean (CIP),
- sterilizable (SIP-capable), and
- bacteria-tight design

in accordance with EHEDG certification Type EL Class I & Type EL ASEPTIC Class I.

Operating / medium pressure max.

~ 6 bar

Control / closing pressure max.:

8 bar

Differential pressure:

2 - 2.5 bar

varies depending on diameter

Connection:

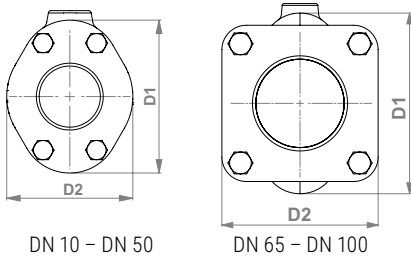
- Weld-on ends (DIN EN 10357 series A)
- Aseptic Flange (DIN 11864-2 form A)
- Aseptic Tri-Clamp (DIN 11864-3)
- Tri-Clamp** (DIN 32676 row A)
- Aseptic Threaded Spigot (DIN 11864-1)

** With appropriate seal.

PINCH VALVES

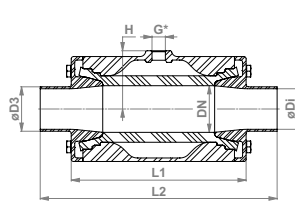
AKO Pinch Valves (Air Operated)

VMCE Series – Weld-on ends (R)



DN 10 – DN 50

DN 65 – DN 100



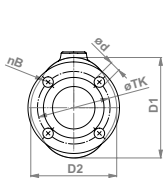
Exempl. view (DN 10 – DN 50)



DN (mm)	Ø Di (mm)	D1 (mm)	D2 (mm)	Ø D3 (mm)	L1 (mm)	L2 (mm)	G (inch)	H (mm)	¹ vol. (l) (ca. / approx.)	Weight (kg)
10	10	46	35	13x1,5	68	115	G 1/8"	23	0,03	0,5
15	16	56	47	19x1,5	85	140	G 1/8"	28	0,05	0,8
20	20	62	49	23x1,5	93	152	G 1/8"	32	0,07	1,0
25	26	72	57	29x1,5	110	165	G 1/8"	37	0,09	1,4
32	32	80	66	35x1,5	130	178	G 1/4"	45	0,13	1,9
40	38	90	77	41x1,5	150	190	G 1/4"	50	0,22	2,5
50	50	110	88	53x1,5	175	216	G 1/4"	60	0,36	3,8
65	66	133	115	70x2	173	216	G 1/4"	74	0,44	4,2
80	81	166	133	85x2	213	254	G 1/4"	90	0,88	6,0
100	100	203	156	104x2	264	305	G 1/4"	107	1,80	11,3

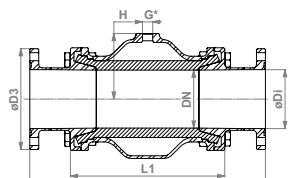
10

VMCE Series – Aseptic Flange (RF)



DN 10 – DN 50

DN 65 – DN 100



Exempl. view (DN 65 – DN 100)



DN (mm)	Di (mm)	D1 (mm)	D2 (mm)	Ø D3 (mm)	* nB	Ø d (mm)	Ø TK (mm)	L1 (mm)	L2 (mm)	G (inch)	H (mm)	¹ vol. (l) (ca. / approx.)	Weight (kg)
10	10	46	35	54	4	9	37	68	195	G 1/8"	23	0,03	0,9
15	16	56	47	59	4	9	42	85	220	G 1/8"	28	0,05	1,2
20	20	62	49	64	4	9	47	93	232	G 1/8"	32	0,07	1,5
25	26	72	57	70	4	9	53	110	245	G 1/8"	37	0,09	2,0
32	32	80	66	76	4	9	59	130	268	G 1/4"	45	0,13	2,5
40	38	90	77	82	4	9	65	150	280	G 1/4"	50	0,22	3,2
50	50	110	88	94	4	9	77	175	306	G 1/4"	60	0,36	4,7
65	66	133	115	113	8	9	95	173	324	G 1/4"	74	0,44	5,5
80	81	166	133	133	8	11	112	213	370	G 1/4"	90	0,88	7,9
100	100	203	156	159	8	11	137	264	421	G 1/4"	107	1,80	14,2

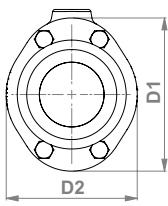
¹ Volume = Control volume with closed sleeve

Technical details subject to change without notice.

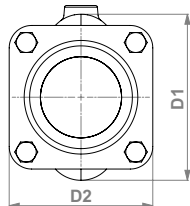
PINCH VALVES

AKO Pinch Valves (Air Operated)

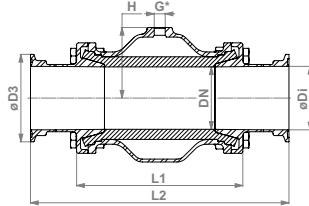
VMCE Series – Aseptic Tri-Clamp (RT)



DN 10 – DN 50



DN 65 – DN 100

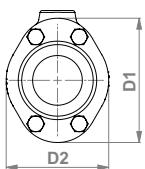


Exempl. view (DN 65 – DN 100)

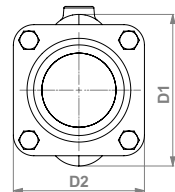


DN (mm)	ø Di (mm)	D1 (mm)	D2 (mm)	ø D3 (mm)	L1 (mm)	L2 (mm)	G (inch)	H (mm)	¹ vol. (l) (ca. / approx.)	Weight (kg)
10	10	46	35	34	68	191	G 1/8"	23	0,03	0,6
15	16	56	47	34	85	216	G 1/8"	28	0,05	0,9
20	20	62	49	50,5	93	228	G 1/8"	32	0,07	1,2
25	26	72	57	50,5	110	242	G 1/8"	37	0,09	1,6
32	32	80	66	50,5	130	266	G 1/4"	45	0,13	2,1
40	38	90	77	64	150	278	G 1/4"	50	0,22	2,7
50	50	110	88	77,5	175	305	G 1/4"	60	0,36	4,1
65	66	133	115	91	173	329	G 1/4"	74	0,44	4,7
80	81	166	133	106	213	371	G 1/4"	90	0,88	6,5
100	100	203	156	130	264	425	G 1/4"	107	1,80	12,0

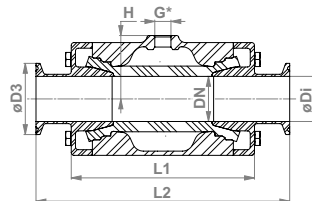
VMCE Series – Tri-Clamp (T)**



DN 10 – DN 50



DN 65 – DN 100



Exempl. view (DN 10 – DN 50)



DN (mm)	ø Di (mm)	D1 (mm)	D2 (mm)	ø D3 (mm)	L1 (mm)	L2 (mm)	G (inch)	H (mm)	¹ vol. (l) (ca. / approx.)	Weight (kg)
10	10	46	35	34	68	115	G 1/8"	23	0,03	0,5
15	16	56	47	34	85	130	G 1/8"	28	0,05	0,9
20	20	62	49	34	93	150	G 1/8"	32	0,07	1,0
25	26	72	57	50,50	110	160	G 1/8"	37	0,09	1,5
32	32	80	66	50,50	130	180	G 1/4"	45	0,13	1,9
40	38	90	77	50,50	150	200	G 1/4"	50	0,22	2,6
50	50	110	88	64	175	230	G 1/4"	60	0,36	3,9
65	66	139	115	91	173	216	G 1/4"	74	0,44	4,3
80	81	173	133	106	213	254	G 1/4"	90	0,88	6,2
100	100	203	156	119	264	305	G 1/4"	107	1,80	11,4

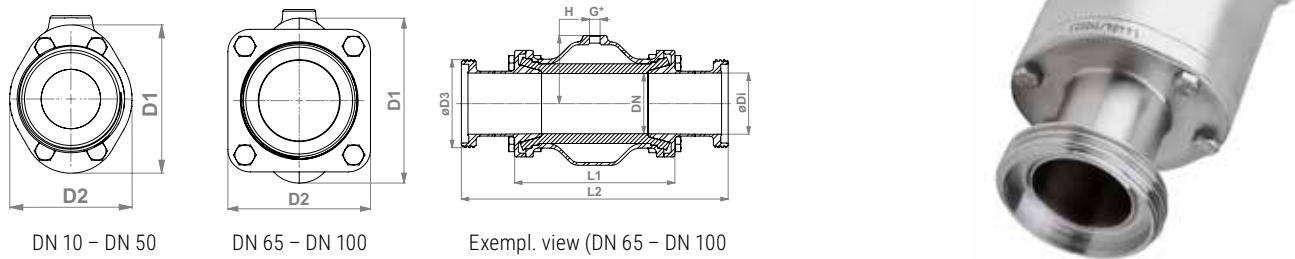
¹ Volume = Control volume with closed sleeve

Technical details subject to change without notice.

PINCH VALVES

AKO Pinch Valves (Air Operated)

VMCE Series – Aseptic Threaded spigot (RM)



DN (mm)	ø Di (mm)	D1 (mm)	D2 (mm)	D3	G (inch)	H (mm)	L1 (mm)	L2 (mm)	¹ vol. (l) (ca. / approx.)	Weight (kg)
10	10	46	35	Rd28x1/8"	G 1/8"	23	68	197	0,03	0,6
15	16	56	47	Rd34x1/8"	G 1/8"	28	85	222	0,05	1,0
20	20	62	49	Rd44x1/6"	G 1/8"	32	93	238	0,07	1,3
25	26	72	57	Rd52x1/6"	G 1/8"	37	110	251	0,09	1,8
32	32	80	66	Rd58x1/6"	G 1/4"	45	130	274	0,13	2,3
40	38	90	77	Rd65x1/6"	G 1/4"	50	150	286	0,22	3,0
50	50	110	88	Rd78x1/6"	G 1/4"	60	175	312	0,36	4,3
65	66	133	115	Rd95x1/6"	G 1/4"	74	173	336	0,44	5,1
80	81	166	133	Rd110x1/4"	G 1/4"	90	213	382	0,88	7,4
100	100	203	156	Rd130x1/4"	G 1/4"	107	264	433	1,80	13,0

1 Volume = Control volume with closed sleeve

Technical details subject to change without notice.

PINCH VALVES

AKO Pinch Valves (Air Operated)

SAS Series



Enquire about the full range of threaded nozzles for pinch valves

RVA Series



Enquire about the full range of air/fluid operated pinch valves

AKO Pinch Valves (Manual Control Operation)

OV Series



Enquire about the full range of manually operated pinch valves (OV and RV) and accessories

RV Series



Enquire about the full range of manually operated pinch valves (OV and RV) and accessories

AKO Pinch Valves (Knife Gate)

A Series



Enquire about the full range of Knife Gate pinch valves (Series A) and accessories

B Series



Enquire about the full range of Knife Gate pinch valves (Series B) and accessories

C Series



Enquire about the full range of Knife Gate pinch valves (Series C) and accessories

PINCH VALVES

Optional accessories for Air Operated Pinch Valves



PINCH VALVES

Pinch Valve Consumables

MP.200G



Mounting paste for pneumatic pinch valve sleeves

WT100



4" VT model pneumatic pinch valve sleeve mounting kit (comes with mounting paste, tube, tightening nuts & bolts)

MWF100



4" VF model pneumatic pinch valve sleeve mounting kit (comes with mounting paste, tube, tightening nuts & bolts)

Pinch Valve Sleeves

M040.03X



40mm Natural rubber sleeve (max 80°C)

M050.03X



50mm Natural rubber sleeve (max 80°C)

M050.03X.FL



50mm Natural rubber flange sleeve (2 required per valve)

M080.03X



80mm Natural rubber sleeve (max 80°C)

M080.03X.FL



80mm Natural rubber flange sleeve (2 required per valve)

M100.02X



100mm White natural rubber food grade sleeve (max 80°C)

PINCH VALVES

Pinch Valve Sleeves

M100.03X



100mm Natural rubber sleeve
(max 80°C)

M100.03XFL



100mm Natural rubber flange sleeve
(2 required per valve)

-



Enquire about the full range of AKO pinch valve sleeves, sizes & materials (EPDM, Nitrile, Neoprene, Natural rubber, food grade).

Pinch Valve Body Flanges

FF100.031LA



100mm VF aluminium valve flange with steel bushing, suits VF100 model pinch valve

FT100.33



100mm VT aluminium valve flange, suits VT100 model pinch valve

VF100FLANGE



100mm Steel pipe flange, suits VF model pinch valve

VT100FLANGE



100mm Steel pipe flange, suits VT model pinch valve

PINCH VALVES

Pinch Valve Gaskets

VF100GASKET



100mm VF model pinch valve gasket
suits VF100FLANGE

VT100GASKET



100mm VT model pinch valve gasket
suits VT100FLANGE

Pinch Valve Controls

AFPVBTK-004



Pneumatic valve with handle for
discharge direction control of AKO
pinch valves

AFPV-WAB



Pneumatic open/close switch for
AKO pinch valve operation

AFPV-WAB1



90° Elbow fitting for open/close
switch, suits 8mm airline

AFPV-WAB2



Straight fitting for open/close switch,
suits 8mm airline

CE-PP003-4



Stainless steel control panel for
operating 3 x AKO pinch valves

CE-PP003-5



Stainless steel control panel for
operating 4 x AKO pinch valves

PINCH VALVES

Pinch Valve Controls

CE-PP003-7



Stainless steel blow both ways control panel

CE-PP003-8



Stainless steel panel to suit either blow thru- or emergency stop valves

CE-PP003-9



Stainless steel control panel to suit no pinch valves

TANKER SUSPENSION

FFB Aluminium Hangers to Suit SAF or BPW

Hangers



Enquire about the full range of BPW or SAF Hangers and spare parts

Eyebolts



Enquire about Threaded Hexagon Eyebolt

Locknuts



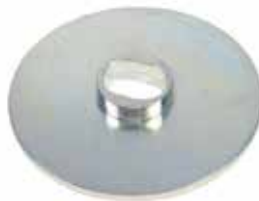
Enquire about Clamping Hexagon Locknut

Eccentric Discs



Enquire about Eccentric Disk

Press in Hubs



Enquire about Press in Hub

Eyebolts



Enquire about Eyebolt

Eyebolt Washers



Enquire about Eyebolt Washer

Underlay Washers



Enquire about Underlay Washer

HOSETUBES

Hosetube

C015A



6.0m Assembled aluminium hose tube including end cap, swivel door & rubber latch

C064A



4.8m Assembled aluminium hose tube including end cap, swivel door & rubber latch

Hosetube Parts

C015



6.0m Aluminium hose tube 200mm OD (tube only)

C064



4.8m Aluminium hose tube 200mm OD (tube only)

ALTU-005A



Aluminium swivel door to suit hose tube

ALTU-004A



Aluminium end cap to suit hose tube

GH-017A



Rubber latch for hose tube swivel door (suit Convair tanker), available in 2 sizes

GH-018A



Rubber latch for hose tube swivel door (suit FFB tanker)

HOSETUBES

Hosetube Parts

FABU-003



Stainless steel U-bolt 10mm rod and nuts, 203mm ID to suit hose tube

ALTU-006A



Aluminium swivel door mounting bracket to suit hose tube

ALTU-007A



Aluminium swivel door stop to suit hose tube

Feldbinder Hosetubes

F1055726-3



3.0m Assembled FFB polished stainless steel hose tube 198mm OD

F1055726-5



5.0m Assembled FFB polished stainless steel hose tube 198mm OD

F1055726-6



6.0m Assembled FFB polished stainless steel hose tube 198mm OD

F1002413



FFB hosetube blind cap

F9004587



FFB hosetube door (double)

F1049060



FFB hosetube door

SIGNS & STICKERS

Convair Tanker Operation Signs

LS-001	LS-002	LS-003
		
RHS chevron sign aluminium 100x800mm	LHS chevron sign aluminium 100x800mm	'Do Not Overtake Turning Vehicle' aluminium sign
LS-022	LS-023	
		
'Long Vehicle' aluminium sign 1200x300 mm	'Road Train' aluminium split signs 600x250mm	

Convair Tanker Operation Stickers

LS-004	LS-005	LS-006
		
'Open' sticker	'Close' sticker	'Boost' sticker

SIGNS & STICKERS

Convair Tanker Operation Stickers

LS-007

AERATION

'Aeration' sticker

LS-008

TOP AIR

'Top Air' sticker

LS-009

AIR DUMP

'Air Dump' sticker

LS-010



'Safe Operation' sticker

LS-011



'Warning checks' sticker

LS-016



'Look Up - Handrail' sticker

LS-017



'Handrail Operation' sticker

LS-018



'Wind Down Landing Legs' sticker

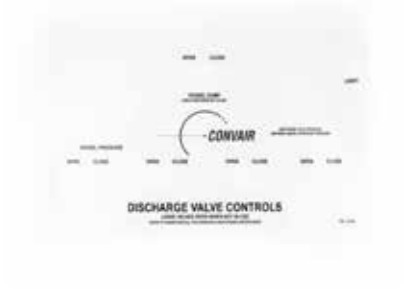
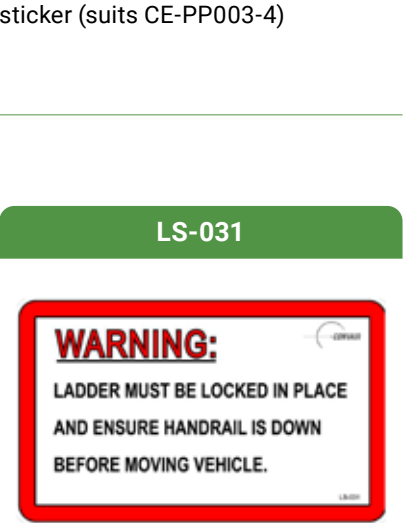
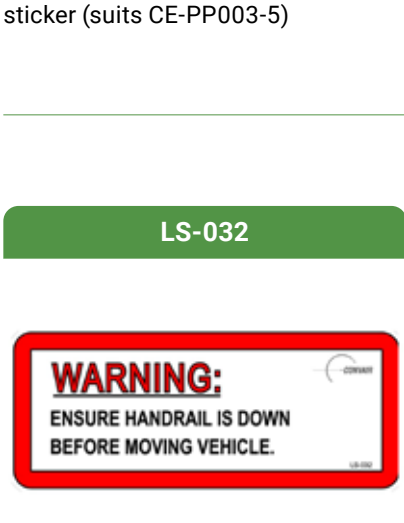
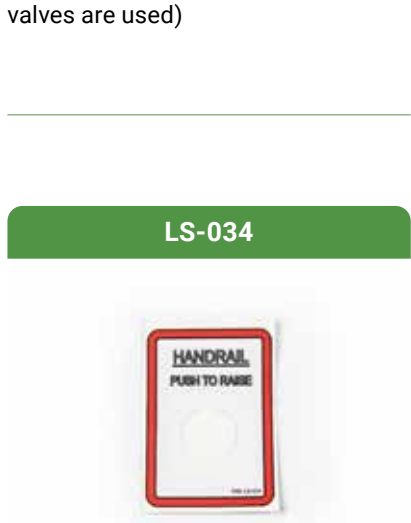
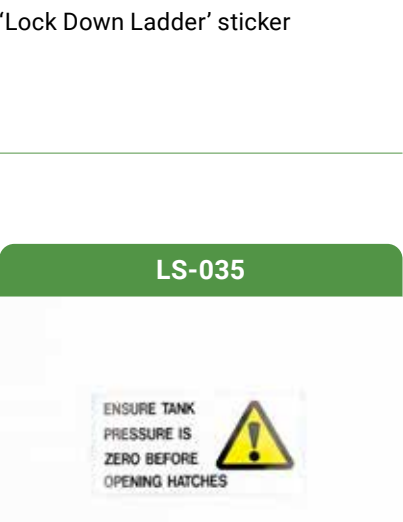
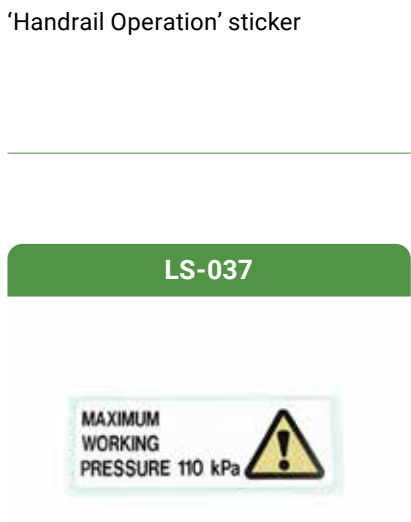
LS-019



'Hot Pipe' sticker

SIGNS & STICKERS

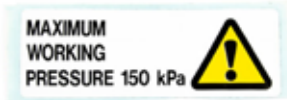
Convair Tanker Operation Stickers

LS-029  Convair 3 pinch valve control panel sticker (suits CE-PP003-4)	LS-030  Convair 4 pinch valve control panel sticker (suits CE-PP003-5)	LS-055  Control panel sticker (where no pinch valves are used)
LS-031  'Lock Down Ladder' sticker	LS-032  'Handrail Warning' sticker	LS-034  'Handrail Operation' sticker
LS-035  'Hatch Opening Warning' sticker	LS-036  'PRV Monthly Check' sticker	LS-037  'Maximum Working Pressure 110kPa' sticker

SIGNS & STICKERS

Convair Tanker Operation Stickers

LS-038



'Maximum Working Pressure 150kPa' sticker

LS-039



'Maximum Working Pressure 160kPa' sticker

LS-040



'Maximum Working Pressure 165kPa' sticker

LS-041



'Maximum Working Pressure 169kPa' sticker

LS-042



'Maximum Working Pressure 175kPa' sticker

LS-044



'Maximum Working Pressure 170kPa' sticker

LS-043



'Convair' logo sticker

LS-050



'Blow Both Ways Valve Control' sticker

LS-051



'Blow Thru Valve Control' sticker

SIGNS & STICKERS

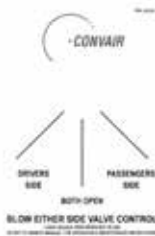
Convair Tanker Operation Stickers

LS-052



‘Emergency Stop Valve Control’ sticker

LS-053



‘Blow Either Side Valve Control’ sticker

LS-057



‘Tie Down Point Only’ sticker

LS-058



‘PTO Control Box’ out of cab sticker (suits PTO-EBC)

LS-059



‘Pneumatic Vibrator Control’ sticker

LS-060



‘Over Temperature for Hydrostatic Control Box’ sticker

LS-061



‘Pneumatic Vibrator Control’ (4 cone) sticker

SIGNS & STICKERS

FFB Tanker Operation Stickers

F011349



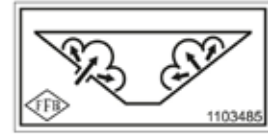
'Discharge Valve Open / Close' sticker

F1063841



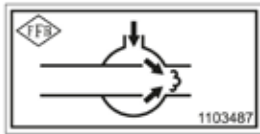
'Hot Pipe' sticker

F1103485



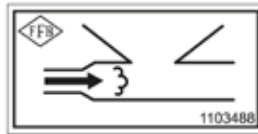
Aeration' sticker

F1103487



'Boost' (ring nozzle) sticker

F1103488



'Boost' (thrust nozzle) sticker

F1103490



'Top Air' (secondary) sticker

LS-012



'FFB' logo sticker

GENERAL TANKER SPARES

Water Tanks

WT-001



Water tank, plastic 20L

WT-002



Mounting brackets to suit WT-001 water tank (pair 1 x left & 1 x right bracket)

WT-003



Soap bottle to suit WT-001 water tank

WT-004



Tap for water tank (suit WT-001)

Tool Boxes

F011394



FFB plastic toolbox, 660 x 665 x 500mm

TL-005



Aluminium toolbox 900 x 300 x 380mm lockable door inc. gas strut

TL-003



Aluminium toolbox 600 x 300 x 380mm lockable door inc. gas strut

GENERAL TANKER SPARES

Bumper Bars

C122



Aluminium bumper bar painted white with pre-drilled mounting holes (suit Convair tanker)

F1045343



FFB aluminium bumper bar painted white and fitted with end caps (suit FFB tanker)

F0145346



FFB bumper bar end caps (suit F1045343)

Air Dump Silencer

C059-1



2" Air dump silencer (suit Convair)

F9403278



2" Air dump silencer (suit FFB)

FFB Tanker Spares

F1042094



FFB Ring jet booster

F1012836



FFB Threaded flange (suit F1012836)

F1017926



FFB Threaded flange (suit F1017926)

GENERAL TANKER SPARES

FFB Tanker Spares

F1136597



FFB Top air line manifold (081061)

F1054549



FFB Aluminium cone outlet manifold

Gaskets

C133



6" Table D flange gasket to suit discharge cone

F008469



FFB bottom dump gasket 3x100x175mm (to suit F1054549)

F008328



FFB flange seal 5x220x340mm (to suit F1054549)

Mudflaps

C037



Convair mudflap 24" x 15"

C010



Convair mudflap 24" x 18"

C073



Convair mudflap 24" x 24"

GENERAL TANKER SPARES

Mudguard Accessories

CAS-001



Anti sail bracket

F1015491



FFB mudguard mounting arm (580mm long)

F101531



FFB end caps for mudguard mounting arm (suit F1015491)

CE-FFB005-1



FFB stainless steel mudguard bracket

CE-FP006-2



Aluminium mudflap mounting plate

MG-001



Rhino Plastic Mudguards. Available in Singles, Duals, Steer and a range of colours

MG-002



Rhino Stainless Steel Smooth Mudguards. Available in Singles, Duals and Steer

MG-003



Rhino Stainless Steel Ribbed Mudguards. Available in Singles, Duals and Steer

MG-004



Rhino Aluminium Saddles. Available in Cast or Polished Cast

GENERAL TANKER SPARES

Mudguard Accessories

MG-005



Rhino Plastic Saddles. Available in a range of colours

MG-006



Spray Suppressant

MG-007



Mudguard mounting pipe cap (white)

MG-008



Mudguard loop kit

Tyre Carriers

TC-001



Tyre carrier winch type UFK-220

TC-002



Handle for tyre carrier winch type UFK-220 (suit TC-001)

TC-004



Handle bracket (53 x 53 x 50) (suit TC-002)

GENERAL TANKER SPARES

Tyre Carriers

TC-005



Handle bracket (85 x 60)
(suit TC-002)

TC-006



Locking bracket 5mm thick
(suit TC-002)

TC-007



Locking bracket 10mm thick
(suit TC-002)

Aeration

Filtration

Hatches
& Seals

Camlocks

Hoses &
Clamps

Pressure
Gauges

Collapsible
Handrails

Lighting

Valves

Pinch
Valves

Tanker
Suspension

Hosetubes

Signs
& Stickers

General
Tanker
Spares

Blowers &
Compressors

Accessories

Tanker
Pipework

14

BLOWERS & COMPRESSORS

CVS Siloking Screw Compressors

910200



CVS Siloking 1100 screw compressor, bareshaft

910211



CVS Siloking 1100 screw compressor fitted with 2:1 step up gearbox ACW rotation. Also available in CW rotation

910251



CVS Siloking 1200 screw compressor oil free

910208



CVS Siloking 1100 LS screw compressor, bareshaft (suit low input speed 1600-2930pm)

Siloking Spare Parts

CVS002



1.5" Brass BSP thread PRV set to 250kPa (36psi), for Siloking compressor

CVS006



Oil filter for Siloking LS series compressor (suit 9100200 & 910211)

CVS005



Oil filter for Siloking C series compressor (suit 910251)

BLOWERS & COMPRESSORS

Siloking Spare Parts

CVS007



90° Inlet elbow for Siloking compressor

CVS008



Inlet/outlet Siloking graphite gasket

CVS009



Absorptive outlet silencer including check valve, flange and gaskets.

CVS022



Check valve (to suit CVS009)

CVS010



Bareshaft Siloking compressor overhaul kit

CVS011



Gearbox overhaul kit for Siloking compressor

CVS013



Aluminium reactive silencer including check valve

CVS014



Outlet elbow to suit silencer

CVS015



O ring to suit CVS014

BLOWERS & COMPRESSORS

Siloking Spare Parts

CVS-DS



CVS Oil dipstick

CVS-BR



CVS Breather

CVS017



Oil pressure gauge (0-16bar)

CVS018



Shaft seal 45 x 62 to suit gearbox input shaft

CVS019



Compressor to gearbox O-ring (463 225-00)

1HP10-2-12V



2 Pass oil cooler with 12v fan

CVS020



Gasket cover plate to suit timing gear (rear of compressor)

ENQUIRE



Enquire about the full range of Siloking compressor parts

BLOWERS & COMPRESSORS

Gardner Denver Cycloblowers

GDB-12L



Model T5CDL12L Cycloblower
(suit PTO drive)

GDB-12L7



Model T5CDL12L7 Cycloblower
(suit powerpack drive)

GDB-9L



Model T5CDL9L Cycloblower
(suit PTO drive)

GDB-9L7



Model T5CDL9L7 Cycloblower (suit
powerpack drive)

Cycloblower Spare Parts

GD112



Power Pack end cover (8500665)

GD114



Rotor shaft seal (8501081)

GD115



Bearing spacer (8500148)

BLOWERS & COMPRESSORS

Cycloblower Spare Parts

GD116	GD117	GD120
		
Housing shim (8500023)	End cover gasket (8500030)	Lube relief fitting (40E37)
GD121	GD122	GD123
		
End cap gasket (8500163)	Oil shaft seal (8501240)	Oil bearing seal (60DD513)
GD124	GD125	GD126
		
Ball bearing (8500165)	Roller bearing (8501200)	Ball bearing (8500406)

BLOWERS & COMPRESSORS

Cycloblower Spare Parts

GD127



Oil level gauge (8501275)

GD128



Breather (5L223)

GD146



Fusible plug (8501246)

GD149



Timing Pin

GD155



Overhaul kit (8507529)

GD160



Econograph outlet gasket (suits T5CDL9 & T5CDL12) 85mm ID. 130mm OD.

GD173



3" Male camlock to NPT female thread for Cyclosilencer

GD174



3" Female camlock to NPT female thread for Cyclosilencer

GD182



Silencer - reactive stainless steel suits GD cycloblower

BLOWERS & COMPRESSORS

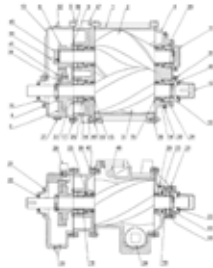
Cycloblower Spare Parts

GD145



Spacer washer to suit mounting of GD cycloblower directly to mounting bracket (4 off required & GD160 gasket)

ENQUIRE



Enquire about the full range of GD Cycloblower parts

BLOWERS & COMPRESSORS

Betico Piston Compressors

102647



Betico SB1-82 compressor with regulation kit

8813741



Betico SB1-82 bareshaft compressor

Betico Spare Parts

3015909



Cylinder

4000216



Cylinder O-ring (1m length)

4001131



Crankcase cover plate gasket

4001230



Main bearing (small, rear)

4001438



Crankshaft oil seal (small, rear)

4001669

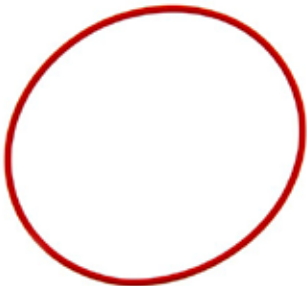


O-ring for unloader kit piston

BLOWERS & COMPRESSORS

Betico Spare Parts

4001743



Valve retainer O-ring

4001917



Piston

4002139



Crankshaft washer

4002311



Crankshaft oil seal (large, front)

4002410



Main bearing (large, front)

4002634



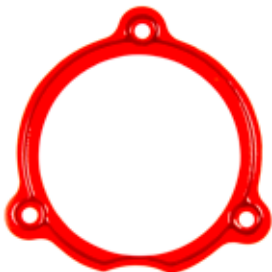
Oil piston ring

4002733



Compression piston ring

4628537



Oil pump gasket

4641274

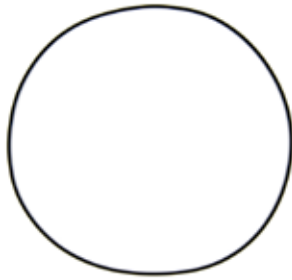


Oil filter

BLOWERS & COMPRESSORS

Betico Spare Parts

4714998



Lower barrel O-ring

4715094



Upper barrel O-ring

4715391



O-ring for intake & outlet manifolds

4002543



Oil Pressure Gauge

4002642



Bracket to suit Oil Pressure Gauge

4815704



Compressor air filter element for plastic housing, drawing No. D24-SB1

5297101



Inlet & outlet valve disk set (thin)

5297200



Inlet & outlet valve disk set (thick)

5956979



Inlet & outlet valve spring

BLOWERS & COMPRESSORS

Betico Spare Parts

4001842



Copper washer for inlet and outlet valves

5900605



Outlet valve, complete

4002436



Gudgen pin

4668707



Pilot valve

3013508



Gudgeon bearing

4622746



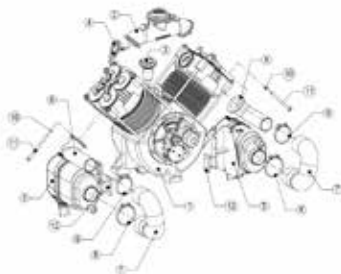
Big end bearing

4000539



Suction filter gasket

ENQUIRE



Enquire about the full range of Betico Compressor parts

BLOWER & COMPRESSOR ACCESSORIES

Lubricants

LU-004



Mobil 1 5W-50 synthetic oil. Suits CVS Siloking compressors (per 5 litre bottle)

LU-003



Mobil SHC 630 synthetic gear oil. Suits GD Cycloblowers (per litre)

LU-006



Castrol GTX2 15W-40 oil. Suits Betico compressors (per 5 litre bottle)

LU-005



Mobil XHP222 grease. Suits GD Cycloblowers (per 450g tube)

LU-014



Mobil Hydraulic 46 oil. Suits Hydrostatic system (per litre)

Air Filter

AF-026



Complete Donaldson Powercore air filter assembly

BLOWER & COMPRESSOR ACCESSORIES

Air Filter Accessories

AF-024



Main air filter element (suit AF-026)

AF-025



Safety Element air filter (suit AF-026)

H102-FLEXFLOW



Flexflow hose 102mm ID rated to 120°C (per metre)

AF-019



4" 90° Rubber elbow for Powercore air cleaner

AF-029



4" Rubber hump joiner for air cleaner

AF-031



6-5" Reducing rubber elbow for air cleaner

AF-032



5-4" Concentric steel reducer for air cleaner

CL-010



Plated worm drive W1 hose clamp 90-110mm (suit H102-FLEXFLOW)

AF-030



4" Clamp for air filter intake straight/ elbow (suit AF-019)

BLOWER & COMPRESSOR ACCESSORIES

Air Filter Accessories

AF-027



6" Clamp for air filter intake elbow
(suit AF-031)

AF-028



5" Clamp for air filter intake elbow
(suit AF-031)

AF-033



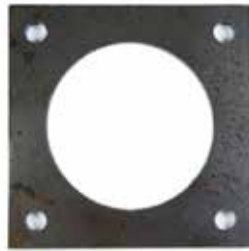
Inlet restriction service indicator

C041-3



Mounting bracket to suit Powercore
Air Cleaner

C042-1



150mm Inlet flange, 102mm ID, suits
4" light gauge exhaust pipe

C042-2



150mm outlet flange 115mm ID, suits
4" steel pipe

C044-1



4" Flange gasket
(suits C042-1 & C042-2)

STFTEX-009



4" Light gauge pipe 90° elbow

STFTEX-015



4" Light gauge pipe 45° elbow

BLOWER & COMPRESSOR ACCESSORIES

PTO

PTO-004-1



Chelsea 880XRAHXV3XV PTO and mounting kit only, 160% step up (suit Roadranger gearbox)

PTO-005



Powauto PA851BL21A11 PTO, comes with MK081 mounting kit (gaskets & studs), flange kicked outboard, 138% step up

PTO-006



Bezares PKFUL501B PTO and 1410 output flange, 145% step up (suit Roadranger gearbox)

PTO-007



Powauto PA851BL11A11 PTO, comes with MK081 mounting kit (gaskets & studs), flange kicked inboard, 138% step up (suit Ultrashift gearbox)

PTO-008



Powauto PA8705BKR32A11 PTO, 131% step up (suit Paccar Endurant XD gearbox)

PTO In Cab Controls

PTO-EBC12V



12V electric/air in cab PTO control box, comes with hour meter including switch & wiring loom

PTO-EBC12V-HYD



12V electric/air in cab PTO control box, comes with hour meter including switch & wiring loom, suit hydrostatic setp

PTO-EBC24V



24V electric/air in cab PTO control box, comes with hour meter including switch & wiring loom

BLOWER & COMPRESSOR ACCESSORIES

PTO In Cab Controls

PTO-EBC24V-HYD



24V electric/air in cab PTO control box, comes with hour meter including switch & wiring loom, suit hydrostatic setup

PTO Out of Cab Controls

PTO-EBC-MACK



Suit 12V trucks (Kenworth & most American trucks)

PTO-EBC-EURO



Suit 24V trucks (Euro style without an out of cab control)

PTO-EBC-EURO-HYD



PTO out of cab control box - specify truck model (also needs LS-058 sticker)

PTO-EBC-CAS



Suit most European and Volvo trucks

PTO-EBC-CAS-HYD



Suit Cascadia trucks

CE-EP003-2



PTO out of cab control mounting bracket

BLOWER & COMPRESSOR ACCESSORIES

PTO Out of Cab Controls

PTO-010



VDO hour meter (suit out of cab control box)

PTO Drive Mounting Bracket, Siloking

C041-4



Offset Mounting Bracket to suit Siloking 910211 fitup on Mack truck

C041-5



50mm Offset Mounting Bracket to suit Siloking 910211

C041-6



Offset Mounting Bracket to suit Siloking 910211 fitup on Scania truck

C041-7



20mm Offset Mounting Bracket to suit Siloking 910211

C041-8



60mm Reversible Offset Mounting Bracket to suit Siloking 910251

C041-9



Flat Mounting Bracket to suit Siloking 910211

BLOWER & COMPRESSOR ACCESSORIES

PTO Drive Mounting Bracket, GD Cycloblower

C041



Standard mounting bracket to suit
PTO drive GD Cycloblower

Driveshaft

DS-002



1410 series driveshaft including
rubber boot (specify length F-F)

Powerpack Isolation Mounts

C108



M140 Mackay Flanged Isolator
mount & oil shield

C109



Heavy duty general purpose isolation
mount M2200 - 80 DURO

C109-2



Chassis mounting subframe
isolation mount K61-32

BLOWER & COMPRESSOR ACCESSORIES

Powerpack Isolation Mounts

C109HD



Extreme off-road isolation mount
K6990-50 M20

CE-PPASM14-FAB



Spring Bolt Isolation Mounting Kit

CE-PPASM14-SM



Spring Mount & Bolt for Isolation
Mounting Kit

Powerpack, Siloking

CVS012



Remote oil cooler accessories kit

CVS016



Trunk & coupling kit to suit bareshaft
Siloking compressor for hydraulic
motor drive assembly

PP-RTFE



Top oil filter element (RTFE1010)

PP-TKPO



Breather air filter (TKP030)

BLOWER & COMPRESSOR ACCESSORIES

Hydrostatic

PP-W940



Valve oil filter (W940/55)

PP-RTFE



Top air filter RTFE1010 (suit pre 2019 setup)



Enquire about the full range of parts suited to your hydro powerpack

Centaflex Coupling

C101



Centaflex coupling element - size 30

C101-1



Cap screws for size 30 Centa coupling (suit C101)

C101-2



Stud set for size 30 Centa coupling (suit C101)

CFA-030-3-S-8



Centa coupling to suit Deutz or Hatz engine with SAE8 flywheel and compressor with 38mm keyed shaft

CFA-030-3-S-10



Centa coupling to suit VM engine

BLOWER & COMPRESSOR ACCESSORIES

F110 Couplings

F110-B


Fenner B flange for F110 tyre coupling tapered to suit Betico compressor

F110-H


Fenner H flange for F110 tyre coupling

F110-TL


Fenner 3020 taperlock bush to suit 48mm shaft (Hatz)

F110-TL3


Fenner 3020 taperlock bush to suit 55mm shaft

F110-TYRE


Fenner F110 FRAS rubber tyre

Companion Flanges

C068-1


Companion flange for GD cycloblower, bore diameter 1 5/8"

C068-3


Companion flange for screw compressor gearbox, bore 40.01 mm dia.

TANKER PIPEWORK

Hot Air Pipe

STPI-002



3" Extra light pipe 80NB 6.5m length
(used for air line manifold)

Air Pipe Fittings

C042-3



3" Blank flange 8mm thick mild steel
(used on air line manifold)

STFTN-005



3" BSP nipple 150mm long threaded
both ends (used on air line manifold)

STFTN-005-NPT



3" NPT nipple 150mm long threaded
both ends (used on air line manifold)

C130



2" BSP male to female 90°
galvanised elbow (used on top
air pipe)

C131



2" BSP male to female 45°
galvanised elbow (used on top
air pipe)

STFTN-010



2" BSP nipple, profile cut threaded
one end (used on top air pipe)

TANKER PIPEWORK

Air Pipe Fittings

STFTN-002	STFTN-001	FABU-001
		
2" BSP nipple 150mm long threaded both ends (used on top air pipe)	1.5" BSP nipple 150mm long threaded both ends (used on vent line)	3" Stainless steel U-bolt for airline pipe

Discharge Pipe

STPI-014

4" Heavy pipe 100NB 5.4mm wall thickness 6.5m straight length (used for discharge pipe)

Discharge Pipe Fittings

STFTN-006	STFTN-008	STPIBE45-001
		
4" BSP nipple 100mm long threaded one end (used on discharge pipe)	4" NPT nipple 150mm long threaded one end heavy wall (used on discharge pipe)	4" Heavy pipe 100NB 45° bend (used for discharge pipe)

TANKER PIPEWORK

Discharge Pipe Fittings

STPIBE90-001



4" Heavy pipe 100NB 90° bend (used for discharge pipe)

FABU-002



4" Stainless steel U-bolt for discharge pipe

Aeration

Filtration

Hatches & Seals

Camlocks

Hoses & Clamps

Pressure Gauges

Collapsible Handrails

Lighting

Valves

Pinch Valves

Tanker Suspension

Hosetubes

Signs & Stickers

General Tanker Spares

Blowers & Compressors

Accessories

17

Tanker Pipework

TERMS AND CONDITIONS OF SALE

Terms and Conditions of Sale

1. Application of Terms and Conditions

Orders are only accepted subject to the conditions of sale as detailed herein. Any variation of these conditions in any document of the buyer is inapplicable unless accepted in writing by Convair.

2. Payment Terms.

Unless an account has been authorised, payment terms are C.O.D. If an account has been authorised, payment terms are strictly 30 days from the end of the month following the invoice date except for tankers where a 20% deposit with order applies with balance due on delivery.

Convair reserves the right to make specifications and price changes on standard products, without prior notice. Please consult Convair for current product and price information.

3. Prices

All prices quoted are ex works and are subject to change without notice. Shipping charges will be added to the invoice. Convair is not responsible for loss or damage once any product has left its premises. All prices quoted are exclusive of 10% GST.

4. Damage, Loss in Transit

Convair Engineering Pty Ltd. does not accept any responsibility for shortages or for goods lost or damaged in transit, unless such shortages, or loss or damage on the delivery note is specified as examined, or, if the goods have been signed for as not examined, such shortages, loss or damage are notified within 48 hours and reported by separate notice in writing to the carriers and Convair within 5 days of receipt of the goods by the buyer or the consignee.

5. Delivery Commitments

- Delivery commitments are entered into in good faith but are not guaranteed, and Convair shall not be liable for any loss or damage occasioned by failure to deliver on the specified date howsoever caused. Nor shall failure be deemed to be breach of the Order, or any of its conditions, or part thereof.
- Refusal of the buyer to accept part of whole delivery at the time specified in the Order shall permit Convair to treat the Order as repudiated by the buyer and to decline to make further deliveries without prejudice to Convair's right to recover damages for breach of Order.
- Where Orders provide for a single delivery, goods shall be delivered and accepted as soon as ready.
- Where Orders provide for deferred delivery, such delivery shall be accepted as specified in the Order, (or as soon thereafter as ready).

6. Force Majeure

Convair will endeavour to give delivery within the time specified in the quotation. Convair shall not be liable for any loss or damage which may be sustained by the buyer through failure on the part of Convair to deliver within the time specified in this Order, for any loss or damage incurred by reason of act of God, war, riots, fires, strikes, lockouts, cessation of labour, trade disputes, break-downs, accidents of any kind or any other cause whatsoever beyond the control of Convair whether similar to these aforesaid or not. Convair shall be entitled to recover all monies owing to them in respect of deliveries made or services performed prior to such failure. The time of any such suspension will be added to the time of original Order.

7. Cancellation of Orders

Cancellation of an order, in whole or part, cannot be accepted without Convair's written consent.

8. Warranty

- Goods manufactured by Convair are warranted against defects in workmanship and materials for a period of one (1) year from the date of delivery.
- Convair's sole responsibility under this warranty shall be to either repair or replace, at its option, any product which fails during the warranty period.
- This warranty does not cover travel expenses, road service, towing, loss of revenue, customer or overtime labour, downtime, drivers' expenses or cost of rental equipment.
- Warranty repairs do not constitute an extension of the original warranty period for the piece of equipment as a whole or for any specific component.
- Goods supplied by Convair but manufactured by others are not warranted by Convair but are supported by the warranty of the original manufacturer. These include compressors, blowers, suspensions, axles, wheels, tyres, valves, etc.
- No Conditions of Warranty is expressed or to be implied as to the life of the goods supplied.
- Any express or implied statement, condition or warranty, statutory or otherwise, not stated herein is hereby excluded and deemed to be inconsistent herewith. No responsibility is accepted by Convair for any damage or loss arising directly or indirectly out of goods supplied or for any damage or loss arising by reason of any failure of the goods to comply with the specifications. Furthermore Convair shall be under no liability for any damage or injury arising directly or indirectly out of the supply from us of the goods.

9. Title

- The Ownership of the goods ordered herein will only be transferred to the buyer on payment by the buyer.
- Should the buyer remain in default of any payment for which the buyer is liable to Convair, Convair reserves the right to decline to make any further deliveries.
- The buyer shall store all goods delivered by Convair but for which payment has not been made, in such a way as to be clearly separate and identifiable from the buyer's other goods and products and the buyer hereby grants to Convair, its servants or agents the right to enter on to the buyer's premises for the purposes of recovering such goods at any time until payment.

TERMS AND CONDITIONS OF SALE

9. Title (cont'd)

- d) Notwithstanding the above, if the buyer shall sell any goods delivered in such a manner as to pass to a third party a valid title to the goods, the buyer shall hold the proceeds of such sale on trust for Convair; providing that nothing herein shall constitute the buyer the agent of Convair for the purposes of any such subsale and also providing that the buyer shall not be entitled to sell such goods after the appointment of a Receiver to its property, or it has been placed in liquidation, or, not being a company, has committed an act of bankruptcy.

10. Returns

Prior authorisation is required before any goods may be returned.

11. Law Applicable

To the extent any provision of this warranty contravenes the law of any jurisdiction, such provision shall be inapplicable in that jurisdiction, and the remainder of the warranty shall not be affected.

12. Proprietary design

Convair reserves all patent, copyright, proprietary design, manufacturing, reproduction, and sale rights to all products that the company manufactures. The copying of any products or documents without the written consent of Convair is a violation of national and state laws and will be subject to legal action by Convair.

13. PPSA

- a) The buyer acknowledges that these terms and conditions (and, where applicable, any contract) constitute a security agreement for the purposes of the PPSA. A security interest is taken in all goods previously delivered to the buyer and all the goods that may be supplied in the future to the buyer securing the performance by the buyer of its obligations under these terms and conditions and any contract between Convair and the buyer.
- b) The buyer acknowledges and agrees that all goods supplied under these terms and conditions from time to time constitute its inventory, within the meaning of that term in the PPSA.
- c) The buyer must ensure that no security interest (within the meaning of the PPSA) is created, exists or subsists over the goods in its possession or control other than a security interest arising under these terms and conditions.
- d) The buyer agrees to do anything (such as obtaining consents, completing, signing and producing documents and supplying information) which Convair considers necessary for the purposes of:
 - (i) ensuring that any security interest under these terms and conditions is enforceable, perfected and otherwise effective;
 - (ii) enabling Convair to apply for any registration, or give any notification, in connection with any security interest under these terms and conditions so that it has the priority required by Convair; and
 - (iii) enabling Convair to exercise its rights in connection with any security interest under these terms and conditions.
- e) The Seller may apply all payments or other amounts it receives from the buyer or in exercise of its rights and remedies under these terms and conditions, first, in payment of any interest owing by the buyer to Convair; secondly, in payment of any costs, charges and expenses incurred by Convair as a consequence of any breach by the buyer of these terms and conditions; thirdly, in payment of all fees and charges due to Convair under or in connection with these terms and conditions; and, fourthly, in payment and satisfaction of all other moneys owing by the buyer to Convair in accordance with the order of priority set out in section 14(6)(c) of the PPSA and Convair's application of such payments and amounts shall prevail notwithstanding any purported application or appropriation to the contrary by the buyer.
- f) The Seller need not give any notice under the PPSA (including a notice of a verification statement) unless the notice is required by the PPSA and cannot be excluded.
- g) To the extent permitted by law, the following provisions of the PPSA shall not apply as between Convair and the buyer: section 121(4); section 125; section 130 (to the extent that it requires Convair to give a notice to the buyer); section 132(3)(d); section 132(4); section 135; section 142; section 143; and all provisions of Part 4.3 of the PPSA in relation to any of the goods while a person is a controller of that property in a capacity other than those mentioned in section 116(1) of the PPSA.
- h) Neither party will disclose any of the information set out in section 275(1) of the PPSA in relation to this document or any security interest created under this document to any person (except that Convair may do so where required due to the operation of section 275(7) of the PPSA or in accordance with another provision of this document).
- g) "PPSA" means the Personal Property Securities Act 2009 (Cth) (PPS Act) and any regulation made at any time under the PPS Act (each as amended from time to time) and any amendment made at any time to any other legislation as a consequence of the PPSA.

14. Limitation of liability

- a) Notwithstanding any other provision of these terms and conditions and to the extent permitted by statute, Convair will not in any circumstances be liable for any:
 - (i) indirect, consequential, incidental, special or exemplary damages, expenses, losses or liabilities; or
 - (ii) loss of profits, business interruption, loss of revenue, economic loss, loss of goodwill, loss of opportunity or expectation loss or loss of production, which may be suffered or incurred by any person, including in respect of the goods or otherwise in connection with these terms and conditions.
- b) The aggregate liability of Convair to the buyer in respect of events, acts or omissions will be limited, to the extent permitted by statute, to the purchase price paid for the goods.

Aeration

Filtration

Hatches
& Seals

Camlocks

Hoses &
Clamps

Pressure
Gauges

Collapsible
Handrails

Lighting

Valves

Pinch
Valves

Tanker
Suspension

Hosetubes

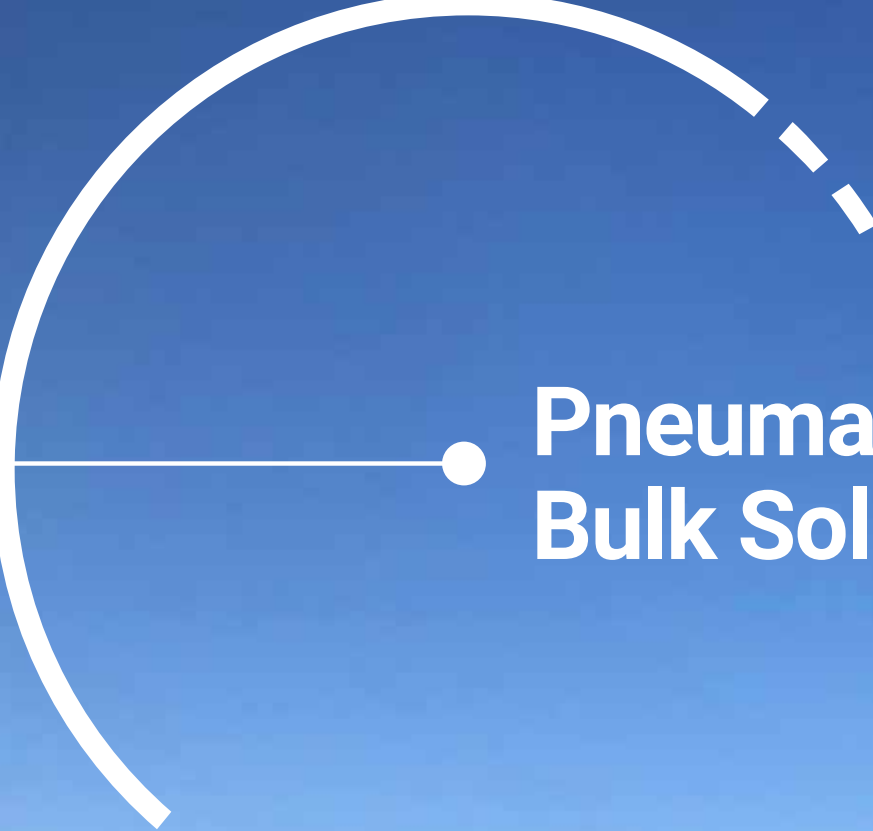
Signs
& Stickers

General
Tanker
Spares

Blowers &
Compressors

Accessories

Tanker
Pipework



Pneumatic Dry Bulk Solutions.







91-93 Miller Street, Epping VIC 3076, Australia

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