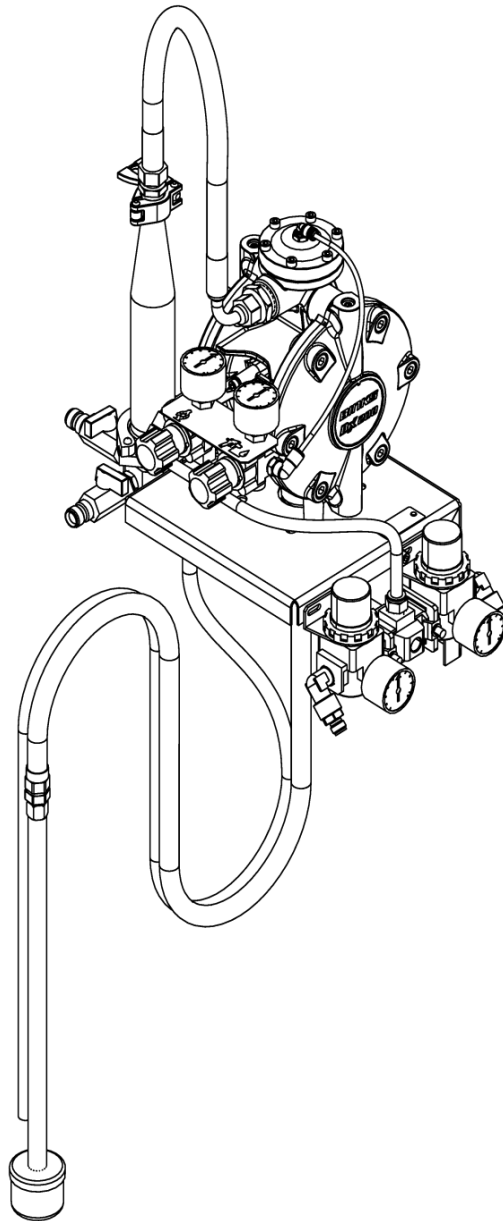


# DX200

## Pump Packages

(DX200A## & DX200S##)



Patent US9447780

|                                                                                                                    |                                                                                    |           |
|--------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------|
| <b>Product Description / Object of Declaration:</b>                                                                | Diaphragm Pumps - DX70, DX200, DX200-3 Bare pump and packages                      | <b>EN</b> |
| <b>This Product is designed for use with:</b>                                                                      | Solvent and Water based Materials                                                  |           |
| <b>Suitable for use in hazardous area:</b>                                                                         | Zone 1                                                                             |           |
| <b>Protection Level:</b>                                                                                           | II 2 G c X IIB T4                                                                  |           |
| <b>Notified body details and role:</b>                                                                             | Element Materials Technology (0891)<br>Lodging of Technical file                   |           |
| <b>This Declaration of conformity / incorporation is issued under the sole responsibility of the manufacturer:</b> | Carlisle Fluid Technologies UK Ltd,<br>Ringwood Road,<br>Bournemouth, BH11 9LH. UK |           |

## EU Declaration of Conformity



**The object of the declaration described above is in conformity with the relevant Union harmonisation legislation:**

Machinery Directive 2006/42/EC

ATEX Directive 2014/34/EU

by complying with the following statutory documents and harmonized standards:

EN ISO 12100:2010 Safety of Machinery - General Principles for Design

EN 12621:+A1:2010 Machinery for the supply and circulation of coating materials under pressure - Safety requirements

EN1127-1:2011 Explosive atmospheres - Explosion prevention - Basic concepts

EN 13463-1:2009 Non electrical equipment for use in potentially explosive atmospheres - Basic methods and requirements

EN 13463-5:2011 Non electrical equipment for use in potentially explosive atmospheres - Protection by constructional safety

Providing all conditions of safe use / installation stated within the product manuals have been complied with and also installed in accordance with any applicable local codes of practice.

Signed for and on behalf of Carlisle Fluid  
Technologies UK Ltd:

D Smith  
4/1/17

Director of Sales (EMEA)  
Bournemouth, BH11 9LH, UK

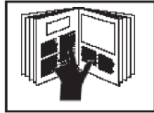
In this part sheet, the words WARNING, CAUTION and NOTE are used to emphasize important safety information as follows:

**EN**

|  <b>WARNING</b>                |  <b>CAUTION</b>    | <b>NOTE</b>                                                   |
|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------|
| Hazards or unsafe practices which could result in severe personal injury, death or substantial property damage. | Hazards or unsafe practices which could result in minor personal injury, product or property damage | Important installation, operation or maintenance information. |

 **WARNING**

Read the following warnings before using this equipment.



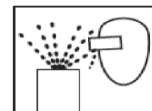
**READ THE MANUAL.** Before operating finishing equipment, read and understand all safety, operation and maintenance information provided in the operation manual.



**AUTOMATIC EQUIPMENT.** Automatic equipment may start suddenly without warning.



**WEAR SAFETY GLASSES.** Failure to wear safety glasses with side shields could result in serious eye injury or blindness.



**PROJECTILE HAZARD.** You may be injured by venting liquids or gases that are released under pressure, or flying debris.



**DE-ENERGIZE, DE-PRESSURISE, DISCONNECT AND LOCK OUT ALL POWER SOURCES DURING MAINTENANCE.** Failure to de-energize, disconnect and lock out all power supplies before performing equipment maintenance could cause serious injury or death.



**KNOW WHERE AND HOW TO SHUT OFF THE EQUIPMENT IN CASE OF AN EMERGENCY.**



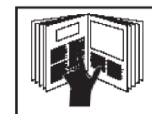
**NOISE LEVELS.** The A-weighted sound level of pumping and spray equipment may exceed 85 dB(A) depending on equipment settings. Actual noise levels are available on request. It is recommended that ear protection is worn at all times while equipment is in use.



**PRESSURE RELIEF PROCEDURE.** Always follow the pressure relief procedure in the equipment instruction manual.



**INSPECT THE EQUIPMENT DAILY.** Inspect the equipment for worn or broken parts on a daily basis. Do not operate the equipment if you are uncertain about its condition.



**OPERATOR TRAINING.** All personnel must be trained before operating finishing equipment.



**EQUIPMENT MISUSE HAZARD.** Equipment misuse can cause the equipment to rupture, malfunction or start unexpectedly and result in serious injury.



**PACEMAKER WARNING.** You are in the presence of magnetic fields which may interfere with the operation of certain pacemakers.



**HIGH PRESSURE CONSIDERATION.** High pressure can cause serious injury. Relieve all pressure before servicing. Spray from the gun, hose leaks or ruptured components can inject fluid into your body and cause extremely serious injury.



**KEEP EQUIPMENT GUARDS IN PLACE.** Do not operate the equipment if the safety devices have been removed.



**STATIC CHARGE.** Fluid may develop a static charge that must be dissipated through proper grounding of the equipment, objects to be sprayed and all other electrically conductive objects in the dispensing area. Improper grounding or sparks can cause a hazardous condition and result in fire, explosion or electric shock and other serious injury.



**NEVER MODIFY THE EQUIPMENT.** Do not modify the equipment unless the manufacturer provides written approval.



**PROP 65 WARNING.** WARNING: This product contains chemicals known to the state of California to cause cancer and birth defects or other reproductive harm.



**PINCH POINT HAZARD.** Moving parts can crush and cut. Pinch points are any areas where there are moving parts.

**IT IS THE RESPONSIBILITY OF THE EMPLOYER TO PROVIDE THIS INFORMATION TO THE OPERATOR OF THE EQUIPMENT.**

**Package - part numbers**

|              |          |          |          |          |          |          |
|--------------|----------|----------|----------|----------|----------|----------|
| <b>DX200</b> | <b>A</b> | <b>R</b> | <b>3</b> | <b>-</b> | <b>W</b> | <b>F</b> |
|--------------|----------|----------|----------|----------|----------|----------|

**Pump Body Material**

|           |                          |
|-----------|--------------------------|
| <b>A</b>  | Aluminium                |
| <b>AE</b> | Aluminium - Enamel       |
| <b>S</b>  | Stainless Steel          |
| <b>SE</b> | Stainless Steel - Enamel |

**Regulator Type**

|          |                    |
|----------|--------------------|
| <b>R</b> | Fluid Regulator    |
| <b>N</b> | No Fluid Regulator |
| <b>P</b> | Pulsation Chamber  |

**Air Regulators**

|           |              |
|-----------|--------------|
| <b>1</b>  | 1 Regulator  |
| <b>2</b>  | 2 Regulators |
| <b>22</b> |              |
| <b>3</b>  | 3 Regulators |

**Options**

|          |           |
|----------|-----------|
| <b>-</b> | No Option |
| <b>A</b> | Agitator  |
| <b>F</b> | Filter    |

**Mounting Type**

|          |        |
|----------|--------|
| <b>C</b> | Cart   |
| <b>W</b> | Wall   |
| <b>T</b> | Tripod |
| <b>P</b> | Pail   |

**Note**

Not all parts shown are included, depending on package ordered.

**Prior To Use**

This product should be flushed with a suitable compatible solvent prior to use.

Mount the pump securely and position the pump at a convenient height to allow for maintenance.

Attach flexible hoses to all connections. Connect a regulated air supply to the air connection.

Set the pump speed to a slow cycle rate and prime the pump to remove any air before increasing pressure.

**Fluid Regulator Air Pilot**

Set the air regulator pressure to give the desired fluid flow.

The pump inlet pressure should nominally be 1 bar [15 PSI] higher.

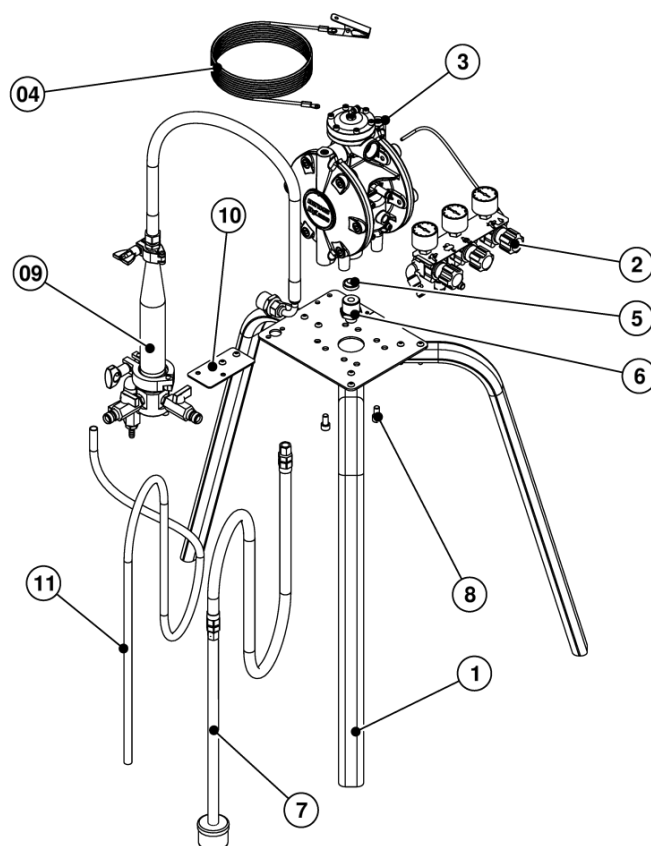
**ATEX special conditions for safe use:****Pump Earthing**

The pump must be earthed at all times. A resistance  $<1\Omega$  when measuring with an ohm-meter at the earth point

Earth connection, Binks Part No. 0114-011798

## Tripod Mounted Pumps

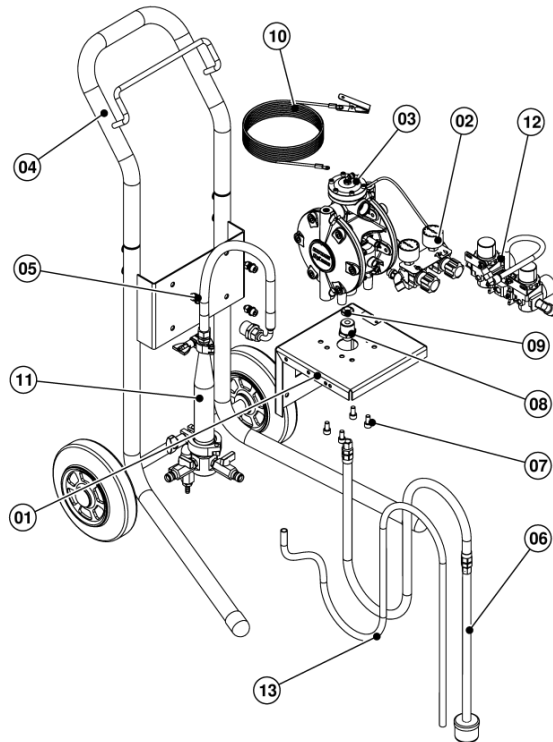
EN



| Item | Part number      | Description             | See figure | Used On |         |
|------|------------------|-------------------------|------------|---------|---------|
|      |                  |                         |            | DX200A# | DX200S# |
| 1    | DXA-T            | DX tripod assembly      | F1         | ✓       | ✓       |
| 2    | DXA-AC#-200      | Air controls            | F3         | ✓       | ✓       |
| 3    | DX200##          | Bare pump               | -          | ✓       | ✓       |
| 4    | 0114-011798      | Grounding cable 4m      | -          | ✓       | ✓       |
| 5    | DXK-220          | Seal - pack of 4        | -          | ✓       | -       |
|      | DXK-230          |                         | -          | -       | ✓       |
| 6    | DVX-244          | Adapter - 1/2" BSPP (M) | -          | -       | ✓       |
|      | DVX-231          | Adapter - 3/8" BSPP (M) | -          | ✓       | -       |
| 7    | DXA-S25-13S-ME15 | Suction hose            | F2         | -       | ✓       |
|      | DXA-S25ME15      |                         |            | ✓       | -       |
| 8    | DXK-106          | Screw kit               | -          | ✓       | ✓       |
| 9    | DXA-F6ME100-200  | Filter assembly         | F4         | ✓       | -       |
|      | DXA-F6ME100-200S |                         |            | -       | ✓       |
| 10   | DXK-277          | Filter mounting kit     | -          | ✓       | ✓       |
| 11   | 0110-009103      | Ø10mm Hose              | -          | ✓       | ✓       |

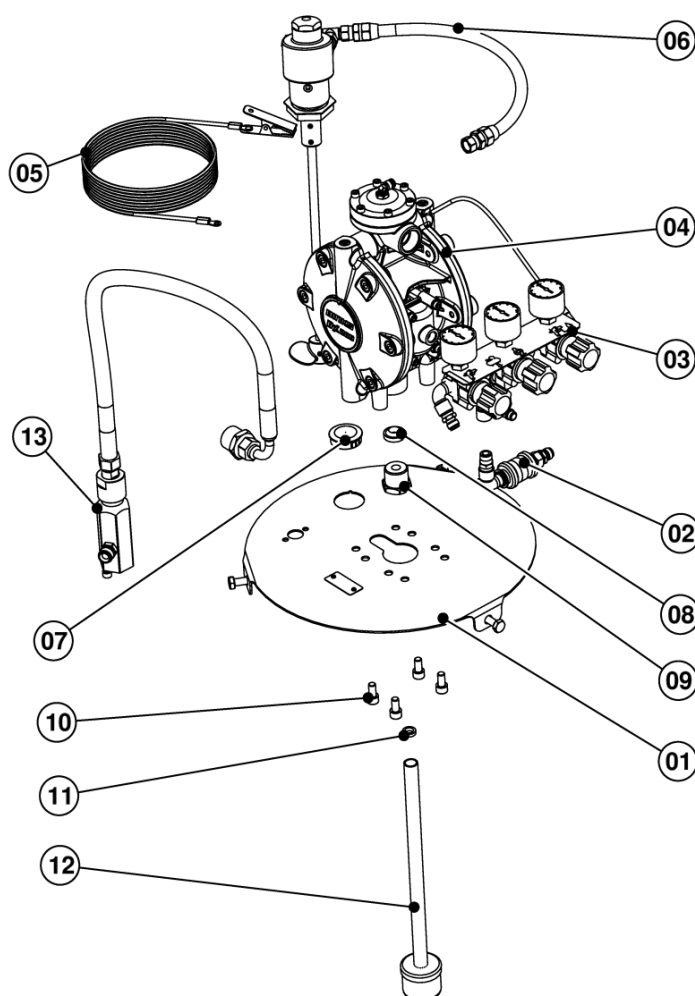
## Cart & Wall Mounted Pumps

EN



| Item | Part number      | Description                | See figure | Used On |         |
|------|------------------|----------------------------|------------|---------|---------|
|      |                  |                            |            | DX200A# | DX200S# |
| 1    | DVX-101          | Wall bracket               | -          | ✓       | ✓       |
| 2    | DXA-AC#-200      | Air controls               | F3         | ✓       | ✓       |
| 3    | DX200# #         | Bare pump                  | -          | ✓       | ✓       |
| 4    | 0115-010186      | Cart                       | -          | ✓       | ✓       |
| 5    | DXK-101          | Screw kit                  | -          | ✓       | ✓       |
| 6    | DXA-S25-13S-ME15 | Suction hose               | F2         | -       | ✓       |
|      | DXA-S25ME15      |                            |            | ✓       | -       |
| 7    | DXK-106          | Screw kit                  | -          | ✓       | ✓       |
| 8    | DVX-244          | Adapter - 1/2" BSPP (M)    | -          | -       | ✓       |
|      | DVX-231          | Adapter - 3/8" BSPP (M)    | -          | ✓       | -       |
| 9    | DXK-220          | Seal - pack of 4           | -          | ✓       | -       |
|      | DXK-230          |                            | -          | -       | ✓       |
| 10   | 0114-011798      | Grounding cable 4m         | -          | ✓       | ✓       |
| 11   | DXA-F6ME100-200  | Filter assembly            | F4         | ✓       | -       |
|      | DXA-F6ME100-200S |                            |            | -       | ✓       |
| 12   | DXA-GAC2         | Air controls - 2 sprayguns | F3         | ✓       | ✓       |
| 13   | 0110-009103      | Ø10mm Hose                 | -          | ✓       | ✓       |

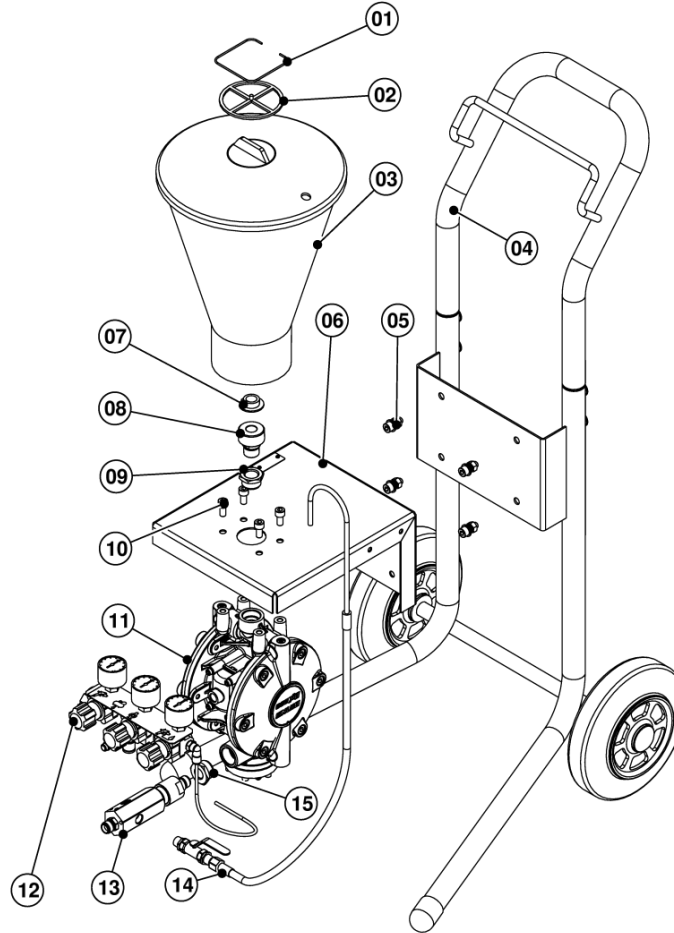
### Pail Mounted Pumps



| Item | Part number       | Description           | See figure | Used On |         |
|------|-------------------|-----------------------|------------|---------|---------|
|      |                   |                       |            | DX200A# | DX200S# |
| 1    | DVX-116           | Pail Lid              | -          | ✓       | -       |
| 2    | DXA-AF            | Agitator air supply   | -          | ✓       | -       |
| 3    | DXA-AC#           | Air controls          | F3         | ✓       | -       |
| 4    | DX200# #          | Bare pump             | -          | ✓       | -       |
| 5    | 0114-011798       | Grounding cable 4m    | -          | ✓       | -       |
| 6    | 41-3312-S         | Agitator              | -          | ✓       | -       |
| 7    | 0115-010337       | Blanking Plug         | -          | ✓       | -       |
| 8    | DXK-220           | Seal - pack of 4      | -          | ✓       | -       |
| 9    | DVX-229           | Adapter 3/8" BSPP (F) | -          | ✓       | -       |
| 10   | DXK-106           | Screw kit             | -          | ✓       | -       |
| 11   | DXK-107           | Seal - pack of 4      | -          | ✓       | -       |
| 12   | DXA-P25ME15       | Pail Suction Tube     | F5         | ✓       | -       |
| 13   | DXA-F10ME100-200P | Filter assembly       | F4         | ✓       | -       |

## Hopper feed pumps

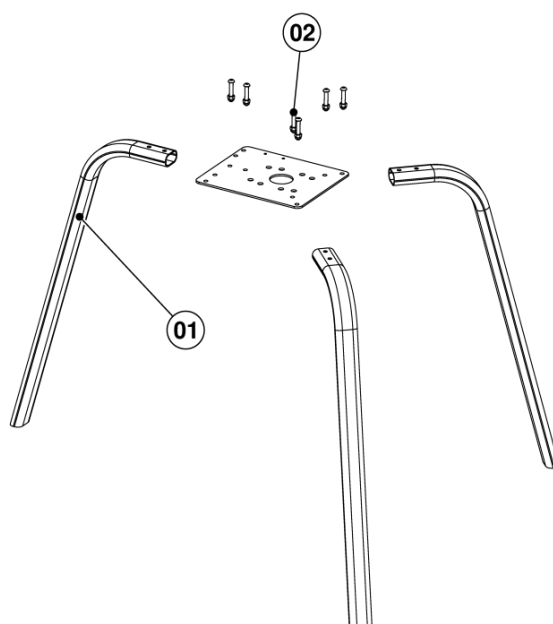
EN



| Item | Part number       | Description            | See figure | Used On |         |
|------|-------------------|------------------------|------------|---------|---------|
|      |                   |                        |            | DX200A# | DX200S# |
| 1    | 00-00-0002148     | Tension ring           | -          | ✓       | ✓       |
| 2    | 00-00-0002147     | Filter                 | -          | ✓       | ✓       |
| 3    | ZZ-2571           | 6L [1.6 US Gal] Hopper | -          | ✓       | ✓       |
| 4    | 0115-010186       | Cart                   | -          | ✓       | ✓       |
| 5    | DXK-101           | Screw kit              | -          | ✓       | ✓       |
| 6    | DVX-101           | Wall bracket           | -          | ✓       | ✓       |
| 7    | ZZ-2587           | PTFE Seal              | -          | ✓       | ✓       |
| 8    | ZZ-2570           | Adapter                | -          | ✓       | ✓       |
| 9    | DVX-321           | Reducing Bush          | -          | ✓       | -       |
| 10   | DXK-106           | Screw kit              | -          | ✓       | ✓       |
| 11   | DX200##           | Bare pump              | -          | ✓       | ✓       |
| 12   | DXA-AC#           | Air controls           | F3         | ✓       | ✓       |
| 13   | DXA-F10ME100-200G | Filter assembly        | F4         | ✓       | ✓       |
| 14   | DXA-DVG           | Dump Valve Kit         | -          | ✓       | ✓       |
| 15   | DVX-279           | Reducing Bush          | -          | ✓       | -       |
|      | DVX-280           | Reducing Bush          | -          | -       | ✓       |

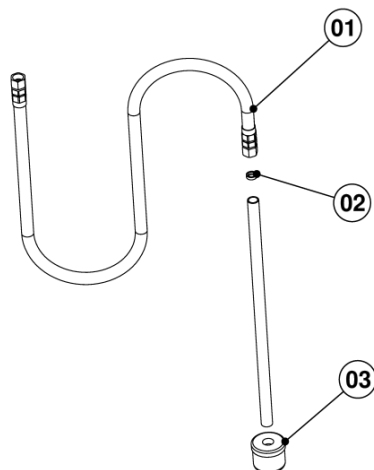
### Reference figures

#### F1 DXA-T

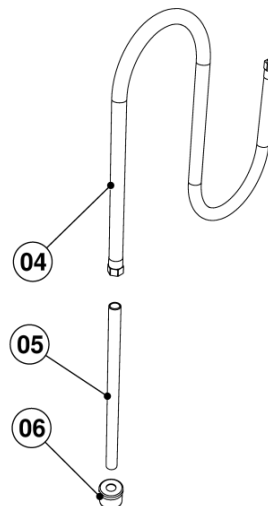


| Item | Part number | Description |
|------|-------------|-------------|
| 1    | 0115-010210 | Tripod leg  |
| 2    | DXK-102     | Fixing kit  |

#### F2 DXA-S25ME15



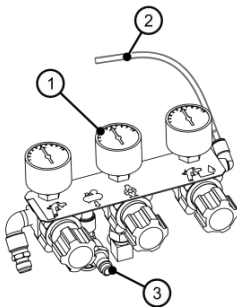
#### DXA-S25-S13-ME15 Stainless Steel



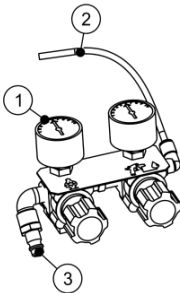
| Item | Part number | Description             |
|------|-------------|-------------------------|
| 1    | DVX-86      | Suction hose            |
| 2    | DXK-104     | Seal - pack of 4        |
| 3    | DVX-89      | Strainer 1300µm/15 mesh |
| 4    | DVX-246     | Suction hose            |
| 5    | 0115-010697 | Tube                    |
| 6    | 0115-010704 | Strainer 1300µm/15 mesh |

**Air regulators**

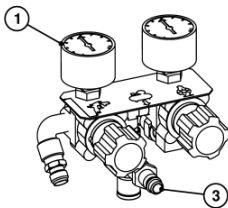
- F3**  
**DXA-AC3-200**      3 Regulators
- Pump
  - Fluid regulator
  - Spraygun



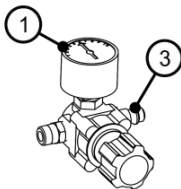
- F3**  
**DXA-AC2-200**      2 Regulators
- Pump
  - Fluid regulator



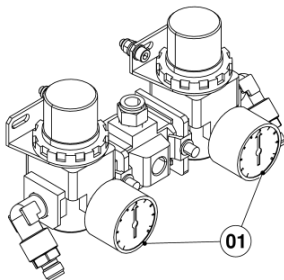
- F3**  
**DXA-AC22-200**      2 Regulators
- Pump
  - Spraygun



- F3**  
**DXA-AC1-200**      1 Regulator
- Pump



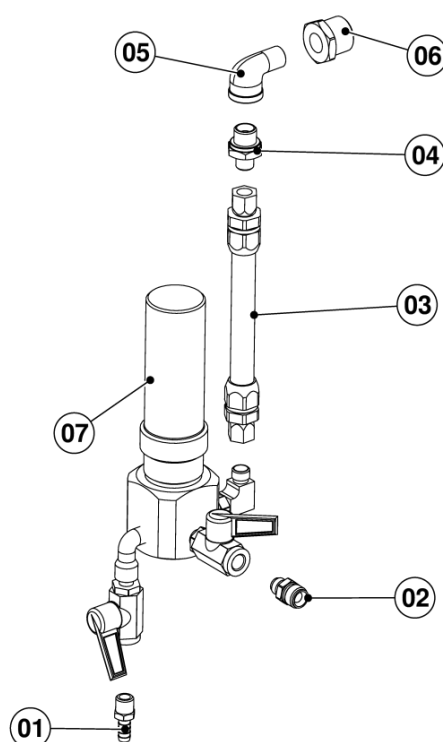
- F3**  
**DXA-GAC2**      2 Regulators
- Spraygun



| Item | Part number | Description         |
|------|-------------|---------------------|
| 1    | GA-382-P    | Pressure gauge      |
| 2    | S-1817      | Ø4 [5/32"] air tube |
| 3    | MPV-10      | QD stem 1/4" female |

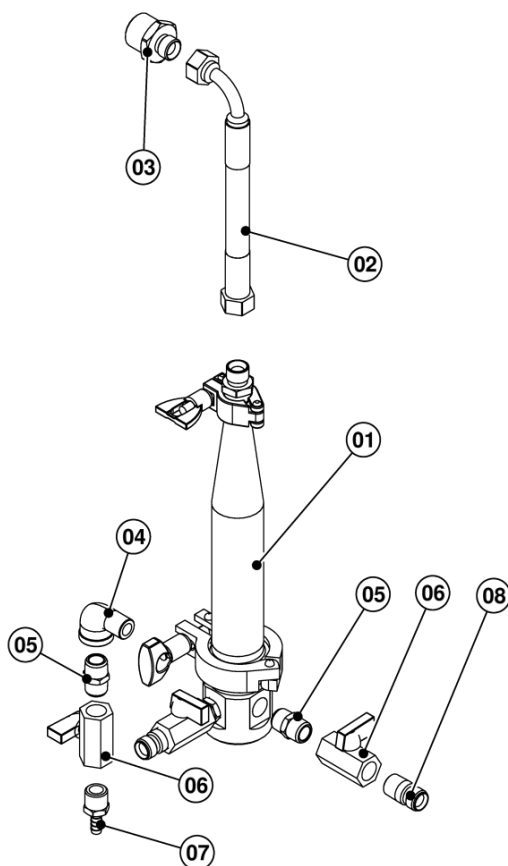
**F4****DXA-F6ME100-200****DXA-F6ME100-200N**

Aluminium

**Obsolete Filters**

| Item | Part number | Description                                    | Used On         |                  |
|------|-------------|------------------------------------------------|-----------------|------------------|
|      |             |                                                | DXA-F6ME100-200 | DXA-F6ME100-200N |
| 1    | 0114-019985 | Hose Nipple                                    | ✓               | ✓                |
| 2    | 0114-016021 | 3/8" x 1/4" universal (BSP/NPSM) nipple        | ✓               | ✓                |
| 3    | DVX-252     | Filter feed hose - Regulated pump              | ✓               | -                |
|      | DVX-271     | Filter feed hose - Non-regulated pump          | -               | ✓                |
| 4    | 0114-013855 | Nipple                                         | ✓               | -                |
|      | DXK-219     | 3/4" BSP(M) - 3/8" BSP(M) Connector with seals | -               | ✓                |
| 5    | DVX-251     | Elbow                                          | ✓               | -                |
| 6    | DXK-218     | 3/4" BSP(M) - 3/8" BSP(F) Connector with seals | -               | ✓                |
| 7    | DVP-154-A   | Filter assembly                                | ✓               | ✓                |
| 8    | DVP-156-200 | Filter 75 µm/200 mesh                          | ✓               | ✓                |
|      | DVP-156-100 | Filter 150 µm/100 mesh                         | ✓               | ✓                |
|      | DVP-156-60  | Filter 250 µm/60 mesh                          | ✓               | ✓                |
|      | DVP-156-30  | Filter 595 µm/30 mesh                          | ✓               | ✓                |
| 9    | DXK-245     | Tripod filter mounting kit                     | ✓               | ✓                |
| 10   | DXK-246     | Wall/cart filter mounting kit                  | ✓               | ✓                |

**DXA-F6ME100-200**  
**DXA-F6ME100-200S**  
 Stainless Steel

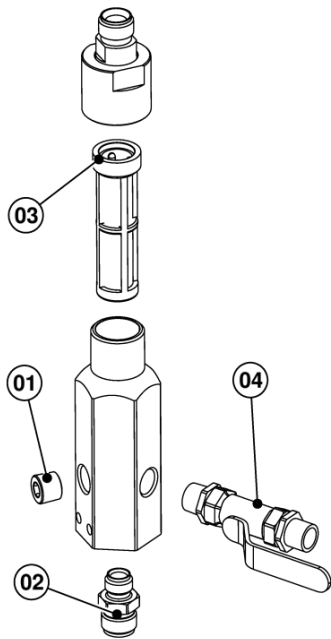


Refer to manual 77-3221 for filter 107925 spares and maintenance.

| Item | Part number | Description                                               | Used On         |                  |
|------|-------------|-----------------------------------------------------------|-----------------|------------------|
|      |             |                                                           | DXA-F6ME100-200 | DXA-F6ME100-200S |
| 1    | 107925      | Filter assembly                                           | ✓               | ✓                |
| 2    | DVX-360     | Filter feed hose                                          | ✓               | ✓                |
| 3    | DXK-219     | 3/4" BSP(M) - 3/8" BSP(M)<br>Connector with seals         | ✓               | -                |
|      | DXK-235     | 1/2" - 3/8" BSPP Male outlet<br>connector kit, with seals | -               | ✓                |
| 4    | DVX-251     | Elbow                                                     | ✓               | ✓                |
| 5    | 0115-010683 | Nipple                                                    | ✓               | -                |
|      | DVX-355     | Nipple                                                    | -               | ✓                |
| 6    | DVX-277     | Ball Valve                                                | ✓               | -                |
|      | DVX-356     | Ball Valve                                                | -               | ✓                |
| 7    | DVX-357     | Hose Nipple                                               | ✓               | ✓                |
| 8    | 180584      | Nipple                                                    | ✓               | -                |
|      | DVX-355     | Nipple                                                    | -               | ✓                |
| 9    | DXK-278     | Stainless steel ball valve & nipple<br>conversion kit     | ✓               | -                |

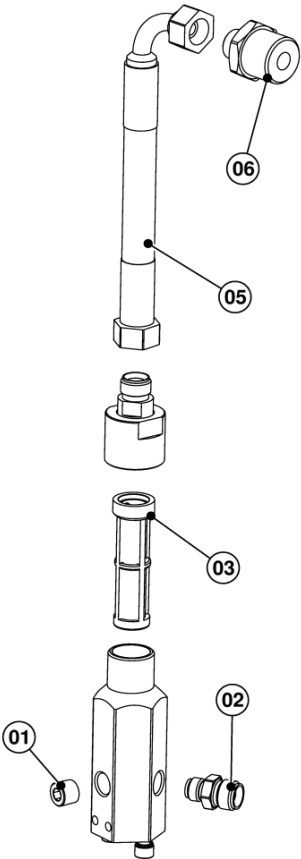
**DXA-F10ME100-200G**

Stainless Steel



**DXA-F10ME100-200P**

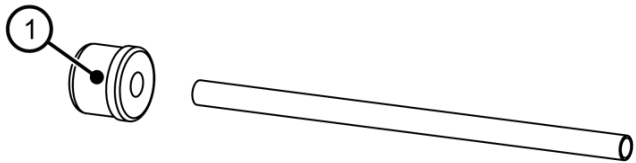
Stainless Steel



| Item | Part number | Description                                    |
|------|-------------|------------------------------------------------|
| 1    | 0115-010600 | Blanking Plug                                  |
| 2    | 0114-016021 | Nipple                                         |
| 3    | VS-58       | Filter 150 µm/100 mesh                         |
|      | VS-58-60    | Filter 250 µm/60 mesh                          |
| 4    | DVX-113     | Ball Valve                                     |
| 5    | DVX-360     | Filter feed hose                               |
| 6    | DXK-219     | 3/4" BSP(M) - 3/8" BSP(M) Connector with seals |

**F5**

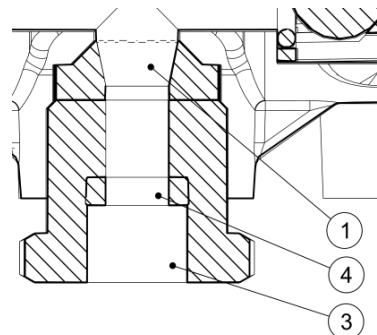
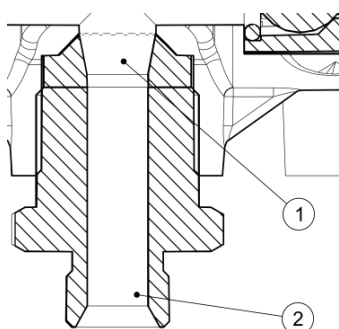
**DXA-P25ME15**



| Item | Part number | Description             |
|------|-------------|-------------------------|
| 1    | DVX-89      | Strainer 1300µm/15 mesh |

## Accessories

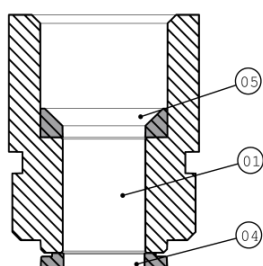
### INLET/OUTLET CONNECTORS - DX200A#



| Item | Part number | Description                                    |
|------|-------------|------------------------------------------------|
| 1    | DXK-220     | Seal x4                                        |
| 2    | DXK-219     | 3/4" BSP(M) - 3/8" BSP(M) Connector with seals |
| 3    | DXK-218     | 3/4" BSP(M) - 3/8" BSP(F) Connector with seals |
| 4    | DXK-19      | Seal x4                                        |

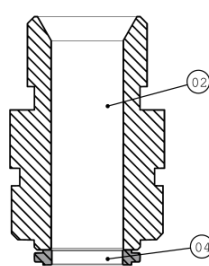
### INLET CONNECTORS - DX200S#

1/2" BSPP Female



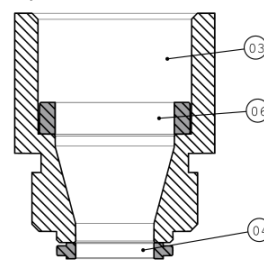
Pump Inlet

1/2" BSPP Male



Pump Inlet

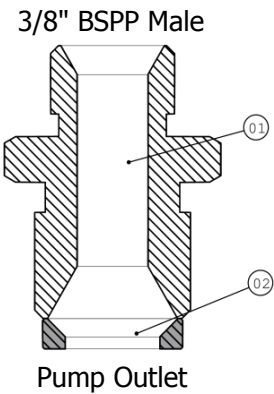
3/4" BSPP Female



Pump Inlet

| Item | Part number | Description                                      |
|------|-------------|--------------------------------------------------|
| 1    | DXK-232     | 1/2" BSPP Female inlet connector kit, with seals |
| 2    | DXK-233     | 1/2" BSPP Male inlet connector kit, with seals   |
| 3    | DXK-234     | 3/4" BSPP Female inlet connector kit, with seals |
| 4    | DXK-230     | Seal x4                                          |
| 5    | DXK-229     | Seal x4                                          |
| 6    | DXK-221     | Seal x4                                          |

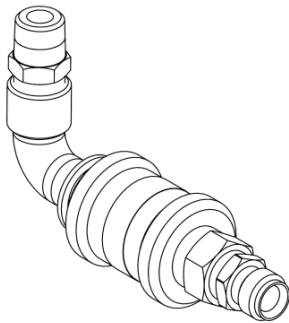
OUTLET CONNECTORS - DX200S#



| Item | Part number | Description                                            |
|------|-------------|--------------------------------------------------------|
| 1    | DXK-235     | 1/2" - 3/8" BSPP Male outlet connector kit, with seals |
| 2    | DXK-229     | Seal x4                                                |

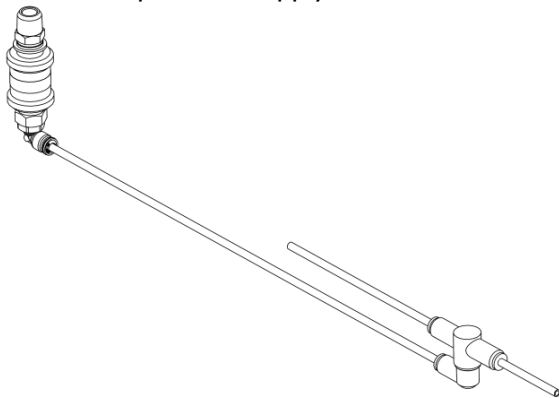
DXA-AF

Agitator air supply



DXA-RP

Fluid regulator maximum pressure supply



## **WARRANTY POLICY**

Binks products are covered by Carlisle Fluid Technologies five year materials and workmanship limited warranty. The use of any parts or accessories, from a source other than Carlisle Fluid Technologies, will void all warranties. For specific warranty information please contact the closest Carlisle Fluid Technologies location listed below.

Carlisle Fluid Technologies reserves the right to modify equipment specifications without prior notice. DeVilbiss®, Ransburg®, MS®, BGK® and Binks® are registered trademarks of Carlisle Fluid Technologies, Inc.

© 2017 Carlisle Fluid Technologies, Inc.

All rights reserved.



Binks is part of Carlisle Fluid Technologies, a global leader in innovative finishing technologies. For technical assistance or to locate an authorized distributor, contact one of our international sales and customer support locations below.

### **USA/Canada**

www.binks.com  
info@carlisleleft.com  
Toll Free Tel: 1-800-992-4657  
Toll Free Fax: 1-888-246-5732

### **Mexico**

www.carlisleleft.com.mx  
ventas@carlisleleft.com.mx  
Tel: 011 52 55 5321 2300  
Fax: 011 52 55 5310 4790

### **Brazil**

www.devilbiss.com.br  
vendas@carlisleleft.com.br  
Tel: +55 11 5641 2776  
Fax: +55 11 5641 1256

### **United Kingdom**

www.carlisleleft.eu  
info@carlisleleft.eu  
Tel: +44 (0)1202 571 111  
Fax: +44 (0)1202 573 488

### **France**

www.carlisleleft.eu  
info@carlisleleft.eu  
Tel: +33(0)475 75 27 00  
Fax: +33(0)475 75 27 59

### **Germany**

www.carlisleleft.eu  
info@carlisleleft.eu  
Tel: +49 (0) 6074 403 1  
Fax: +49 (0) 6074 403 281

### **China**

www.carlisleleft.com.cn  
mkt@carlisleleft.com.cn  
Tel: +8621-3373 0108  
Fax: +8621-3373 0308

### **Japan**

www.ransburg.co.jp  
overseas-sales@carlisleleft.co.jp  
Tel: 081 45 785 6421  
Fax: 081 45 785 6517

### **Australia**

www.carlisleleft.com.au  
sales@carlisleleft.com.au  
Tel: +61 (0) 2 8525 7555  
Fax: +61 (0) 2 8525 7575



**DEVILBISS** | **Ransburg** | **ms** | **BGK** | **BINKS**