

## Description

Voir la Figure 1. Les modules tuyaux d'interconnexion Rhino SD3/XD3 sont conçus pour être utilisés sur les bâtis de vide-fûts à montant double configurés avec des plateaux suiveurs de 5 et 55 gallons. Des modules sont également disponibles pour les vide-fûts configurés avec l'option de dépressurisation. Chaque module se compose de tuyaux, tubes et câbles acheminés à travers une chaîne énergétique. Sur les versions 24 VCC, le câble pour la détection de l'excursion de la pompe est également inclus.

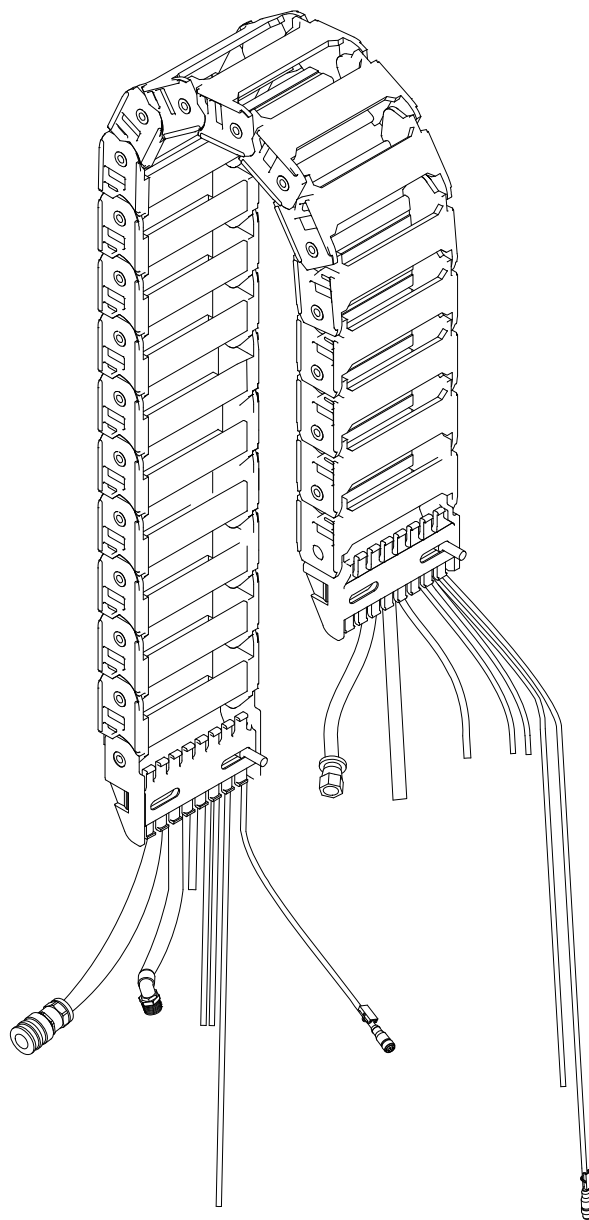


Figure 1 Module tuyaux d'interconnexion type

# Maintenance

## Chaîne énergétique

Voir la Figure 2-3 et le tableau 1 pour retirer et remplacer un ou plusieurs maillons dans la chaîne énergétique.

Tableau 1 Matériel nécessaire

| Élément          | Utilisation          |
|------------------|----------------------|
| Tournevis à lame | Dépose des maillons. |

1. Insérer un tournevis à lame dans les languettes du maillon et faire levier vers l'extérieur pour expulser le cavalier (1). Voir la Figure 2.

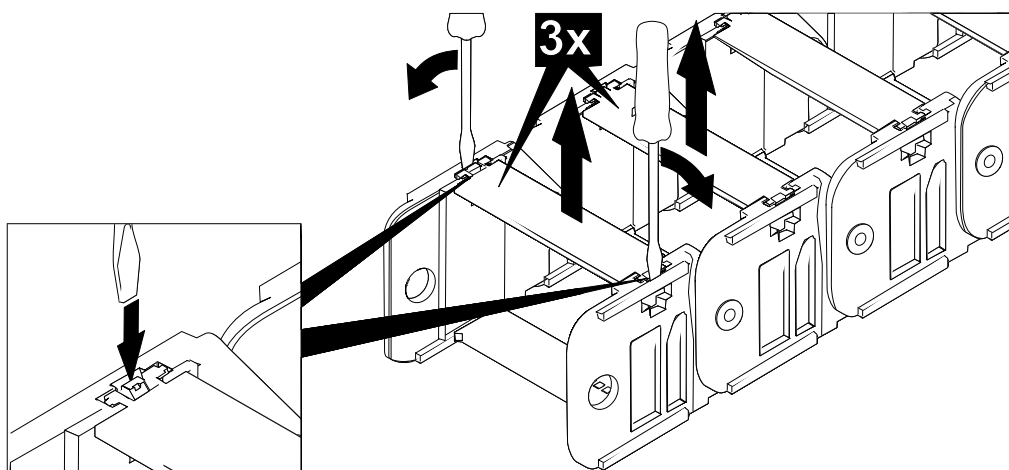


Figure 2 Chaîne énergétique

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2. Bloquer le maillon en place en installant le nouveau cavalier (1) et en appuyant ensuite sur le nouveau cavalier (1) jusqu'à ce qu'il s'encliquète dans le maillon. Voir la Figure 3.

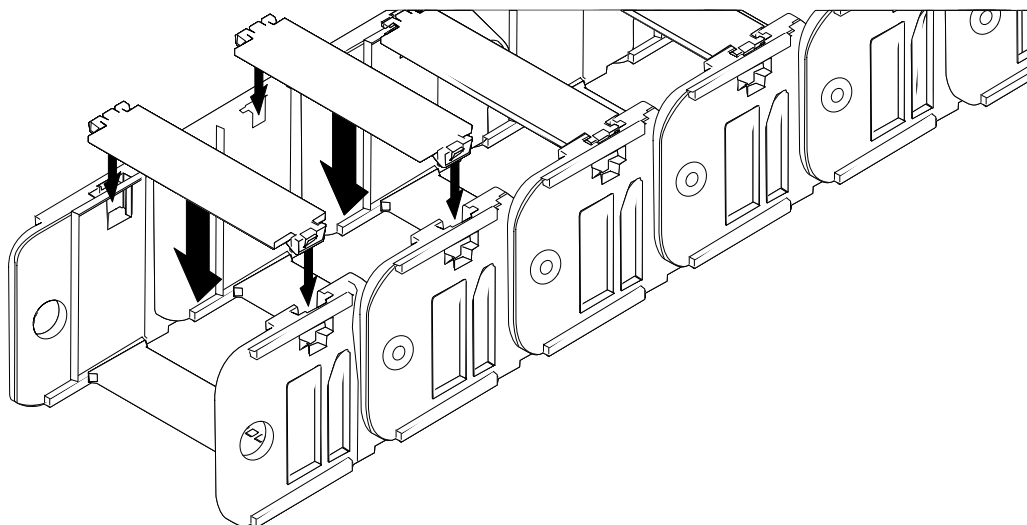


Figure 3 Chaîne énergétique

## Pièces de rechange

Pour commander des pièces, veuillez appeler le Service Clients ou le représentant local de Nordson. Les listes de pièces de rechange du Module tuyaux d'interconnexion sont organisées par taille de bâti.

### **Module tuyaux pour bâti DP avec moteur pneumatique SD3, 24 VCC**

Voir la figure 4-5 et la liste de pièces ci-après.

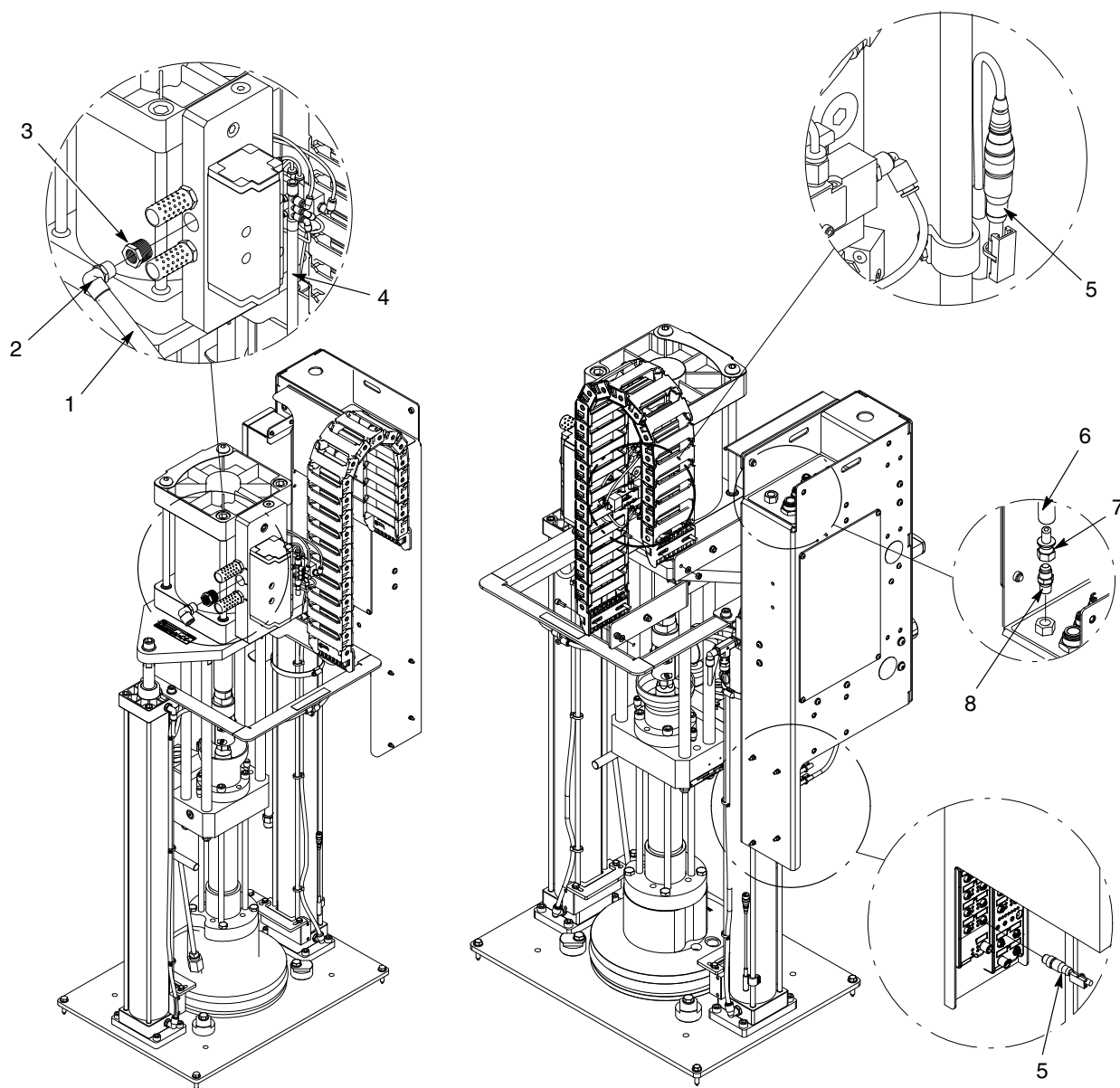


Figure 4 Module tuyaux pour bâti DP avec moteur pneumatique SD3, 24 VCC (1 sur 2)

| Élément | P/N     | Description                                         | Quantité | Note |
|---------|---------|-----------------------------------------------------|----------|------|
| 1       | 1615644 | TUBE, 16 mm-OD, polyurethane, fire resistant, black | 8 ft     |      |
|         | 1615652 | TUBE, 16 mm-OD, polyurethane, fire resistant, blue  | 8 ft     |      |
| 2       | 1100040 | CONNECTOR, male, elbow, 16 mm T x ½ RPT, with seal  | 1        |      |
| 3       | -----   | BUSHING, BSPT pipe, hydraulic, ¾ x ½, steel, zinc   | 1        |      |
| 4       | 1616611 | TUBE, 8 mm-OD, polyurethane, fire resistant, black  | 8 ft     |      |
|         | 1615652 | TUBE, 8 mm-OD, polyurethane, fire resistant, blue   | 8 ft     |      |
| 5       | 1615824 | CABLE, 4-pin micro, 4 M, male/female                | 1        |      |
| 6       | 1045605 | HOSE, -06, low pressure, synthetic, fiber, M2 black | 9.5 ft   |      |
|         | 1045606 | HOSE, -06, low pressure, synthetic, fiber, M1 blue  | 9.5 ft   |      |
| 7       | 1045647 | CONNECTOR, female, barbed, ¾ T x 9/16-18, brass     | 1        |      |
| 8       | 1615608 | CONNECTOR, male, 37, ¾ T x R ¼, steel               | 1        |      |

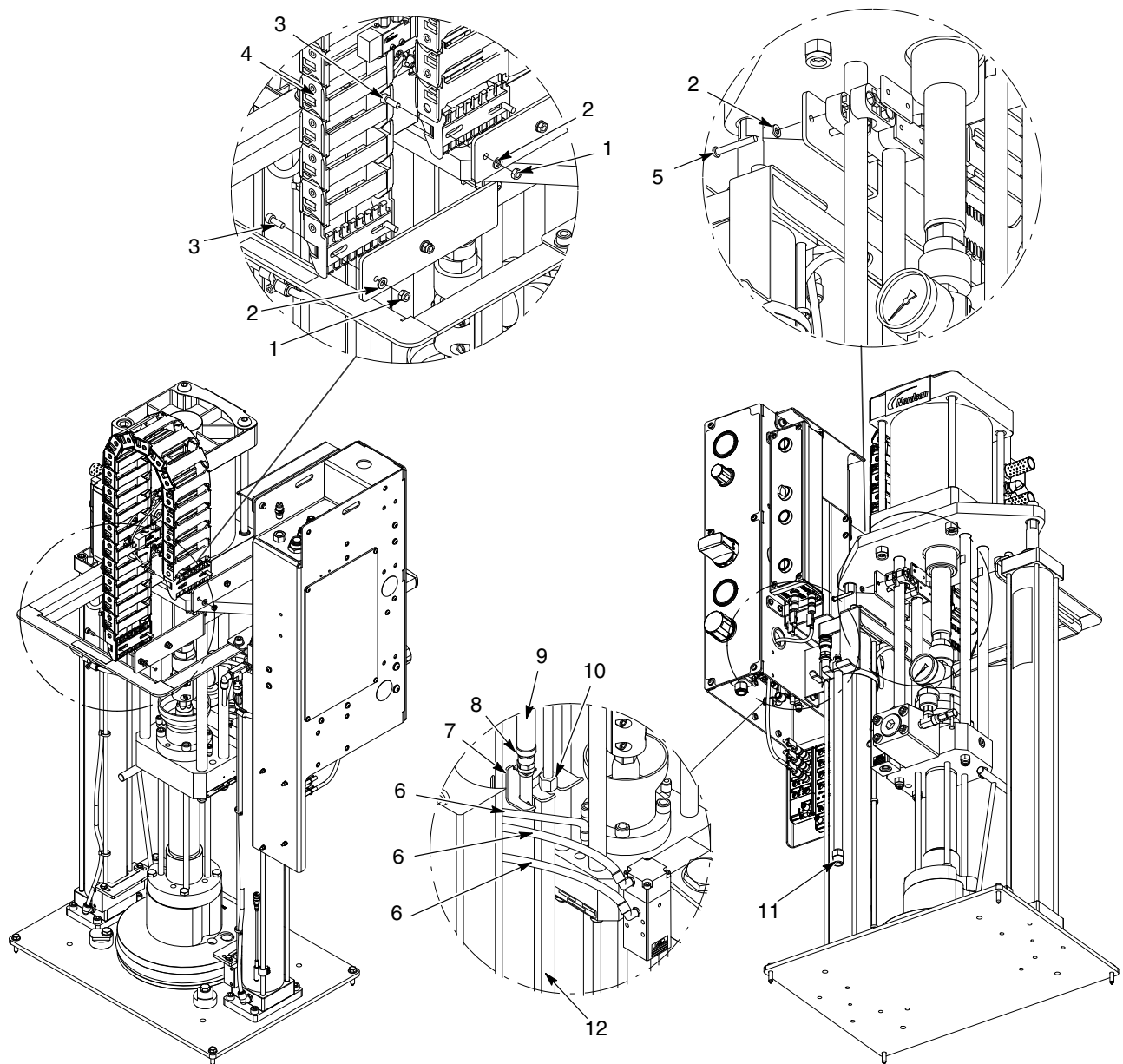


Figure 5 Module tuyaux pour bâti DP avec moteur pneumatique SD3, 24 VCC (2 sur 2)

| Élément                                                                  | P/N     | Description                                              | Quantité | Note |
|--------------------------------------------------------------------------|---------|----------------------------------------------------------|----------|------|
| 1                                                                        | -----   | NUT, lock, nylon, M6, steel, zinc, class 8, per ISO 7040 | 4        |      |
| 2                                                                        | -----   | WASHER, flat, M, regular, M6, steel, zinc, per ISO 7089  | 8        |      |
| 3                                                                        | -----   | SCREW, socket, M6 x 16, zinc, class 12.9, per ISO 4762   | 4        |      |
| 4                                                                        | 1616841 | CHAIN, cable, 3.43 x 1.02, 18 links                      | 1        |      |
| 5                                                                        | -----   | SCREW, socket, M6 x 65, zinc, class 12.9, per ISO 4762   | 2        |      |
| 6                                                                        | 1615643 | TUBE, 6 mm-OD, polyurethane, fire resistant, black       | 17 ft    | A    |
|                                                                          | 1615651 | TUBE, 6 mm-OD, polyurethane, fire resistant, blue        | 17 ft    |      |
| 7                                                                        | 324046  | HANGER, hose                                             | 1        |      |
| 8                                                                        | -----   | COUPLER, disconnect, barb, pushlock, 3/8 tube            | 1        |      |
| 9                                                                        | 1045605 | HOSE, -06, low pressure, synthetic, fiber, M2 black      | 9.5 ft   |      |
|                                                                          | 1045606 | HOSE, -06, low pressure, synthetic, fiber, M1 blue       | 9.5 ft   |      |
| 10                                                                       | 1073257 | NIPPLE, disconnect, 1/4 T, 3/8 NPT female                | 1        |      |
| 11                                                                       | 973084  | BUSHING, pipe, hydraulic, 1/2 x 3/8, steel, zinc         | 1        |      |
| 12                                                                       | 1073896 | NIPPLE, pipe, schedule, 40, 3/8 NPT, 18 in., galvanized  | 1        |      |
| REMARQUE A : Seulement pour les modules avec dépressurisation et/ou ARW. |         |                                                          |          |      |

### **Module tuyaux pour bâti DP avec moteur pneumatique SD2, 24 VCC**

Voir la figure 6-7 et la liste de pièces ci-après.

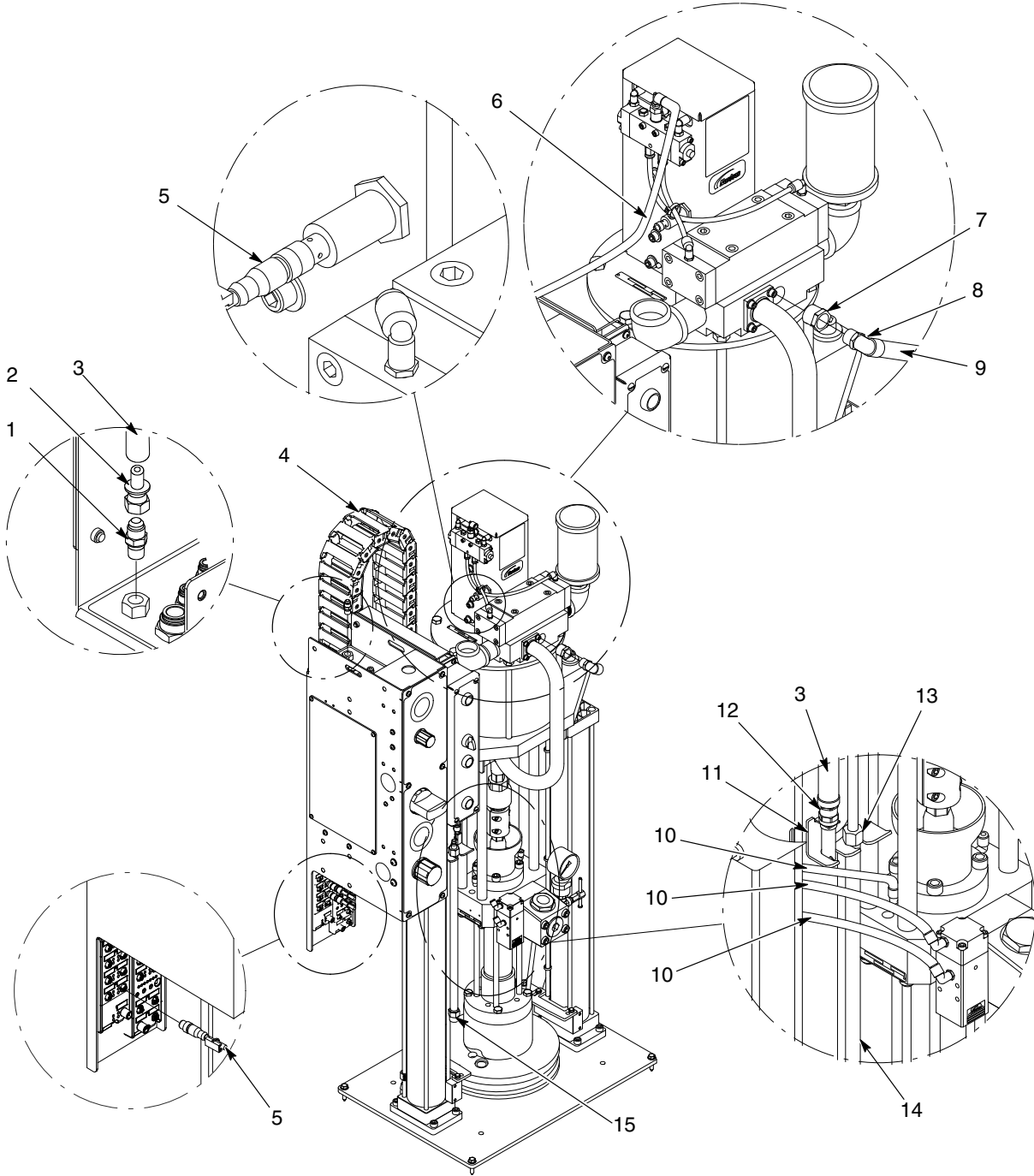


Figure 6 Module tuyaux pour bâti DP avec moteur pneumatique SD2, 24 VCC (1 sur 2)

| Élément                                                                  | P/N     | Description                                                                | Quantité | Note |
|--------------------------------------------------------------------------|---------|----------------------------------------------------------------------------|----------|------|
| 1                                                                        | 1615608 | CONNECTOR, male, 37, $\frac{3}{8}$ T x R $\frac{1}{4}$ , steel             | 1        |      |
| 2                                                                        | 1045647 | CONNECTOR, female, barbed, $\frac{3}{8}$ T x 9/16-18, brass                | 1        |      |
| 3                                                                        | 1045605 | HOSE, -06, low pressure, synthetic, fiber, M2 black                        | 9.5 ft   |      |
|                                                                          | 1045606 | HOSE, -06, low pressure, synthetic, fiber, M1 blue                         | 9.5 ft   |      |
| 4                                                                        | 1616841 | CHAIN, cable, 3.43 x 1.02, 18 links                                        | 1        |      |
| 5                                                                        | 1615824 | CABLE, 4-pin micro, 4 M, male/female                                       | 1        |      |
| 6                                                                        | 1616611 | TUBE, 8 mm-OD, polyurethane, fire resistant, black                         | 8 ft     |      |
|                                                                          | 1615652 | TUBE, 8 mm-OD, polyurethane, fire resistant, blue                          | 8 ft     |      |
| 7                                                                        | -----   | BUSHING, BSPT pipe, hydraulic, $\frac{3}{4}$ x $\frac{1}{2}$ , steel, zinc | 1        |      |
| 8                                                                        | 1100040 | CONNECTOR, male, elbow, 16 mm T x $\frac{1}{2}$ RPT, with seal             | 1        |      |
| 9                                                                        | 1615644 | TUBE, 16 mm-OD, polyurethane, fire resistant, black                        | 8 ft     |      |
|                                                                          | 1615652 | TUBE, 16 mm-OD, polyurethane, fire resistant, blue                         | 8 ft     |      |
| 10                                                                       | 1615643 | TUBE, 6 mm-OD, polyurethane, fire resistant, black                         | 17 ft    | A    |
|                                                                          | 1615652 | TUBE, 6 mm-OD, polyurethane, fire resistant, blue                          | 17 ft    |      |
| 11                                                                       | 324046  | HANGER, hose                                                               | 1        |      |
| 12                                                                       | -----   | COUPLER, disconnect, barb, pushlock, $\frac{3}{8}$ tube                    | 1        |      |
| 13                                                                       | 1073257 | NIPPLE, disconnect, $\frac{1}{4}$ T, $\frac{3}{8}$ NPT female              | 1        |      |
| 14                                                                       | 1073896 | NIPPLE, pipe, schedule, 40, $\frac{3}{8}$ NPT, 18 in., galvanized          | 1        |      |
| 15                                                                       | 973084  | BUSHING, pipe, hydraulic, $\frac{1}{2}$ x $\frac{3}{8}$ , steel, zinc      | 1        |      |
| REMARQUE A : Seulement pour les modules avec dépressurisation et/ou ARW. |         |                                                                            |          |      |
| AR : Suivant les besoins                                                 |         |                                                                            |          |      |

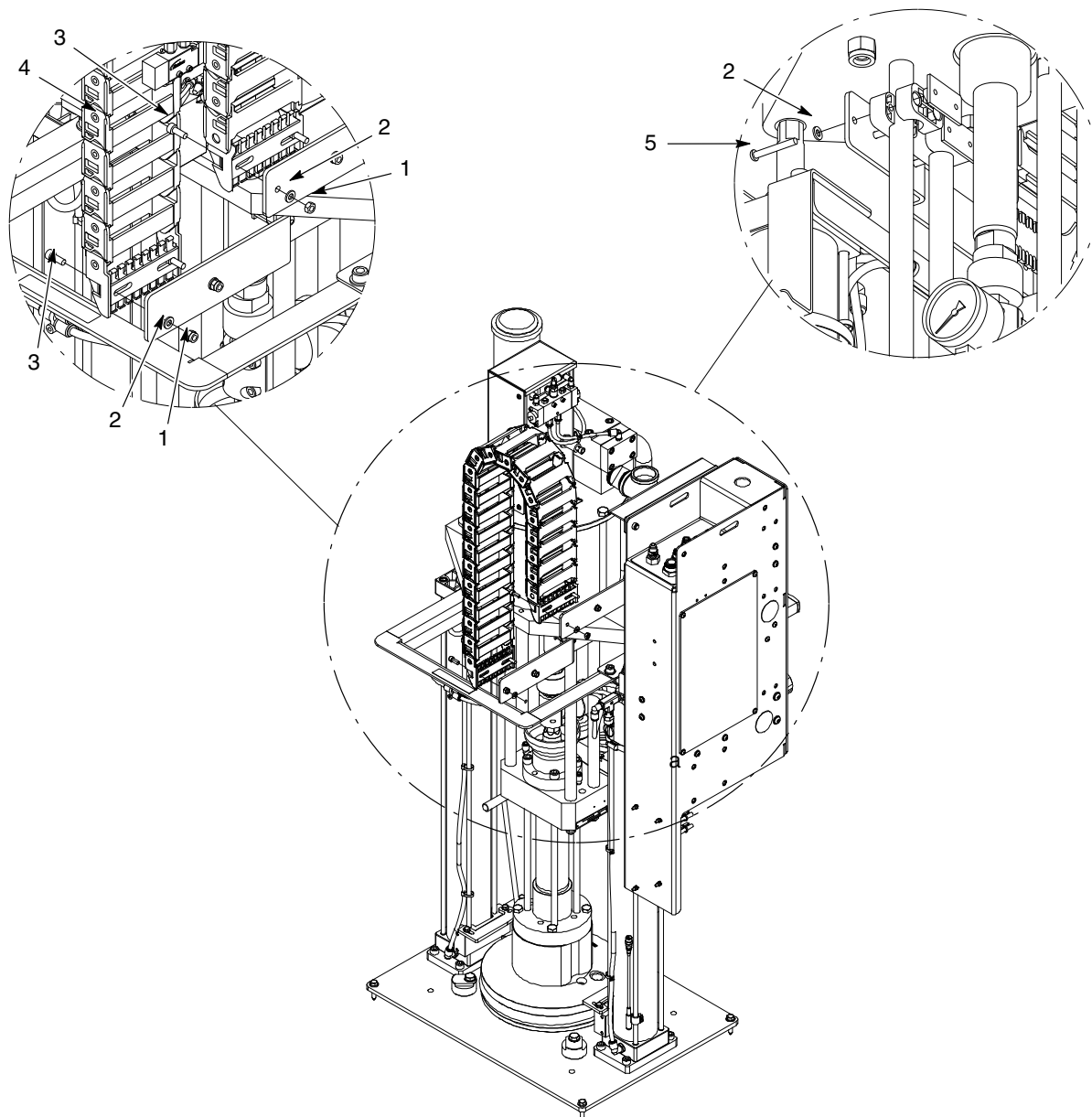


Figure 7 Module tuyaux pour bâti DP avec moteur pneumatique SD2, 24 VCC (2 sur 2)

| Élément | P/N     | Description                                              | Quantité | Note |
|---------|---------|----------------------------------------------------------|----------|------|
| 1       | -----   | NUT, lock, nylon, M6, steel, zinc, class 8, per ISO 7040 | 4        |      |
| 2       | -----   | WASHER, flat, M, regular, M6, steel, zinc, per ISO 7089  | 8        |      |
| 3       | -----   | SCREW, socket, M6 x 16, zinc, class 12.9, per ISO 4762   | 4        |      |
| 4       | 1616841 | CHAIN, cable, 3.43 x 1.02, 18 links                      | 1        |      |
| 5       | -----   | SCREW, socket, M6 x 65, zinc, class 12.9, per ISO 4762   | 2        |      |

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## Module tuyaux pour petit/grand bâti avec moteur pneumatique SD3, 24 VCC

Voir la figure 8-10 et la liste de pièces ci-après.

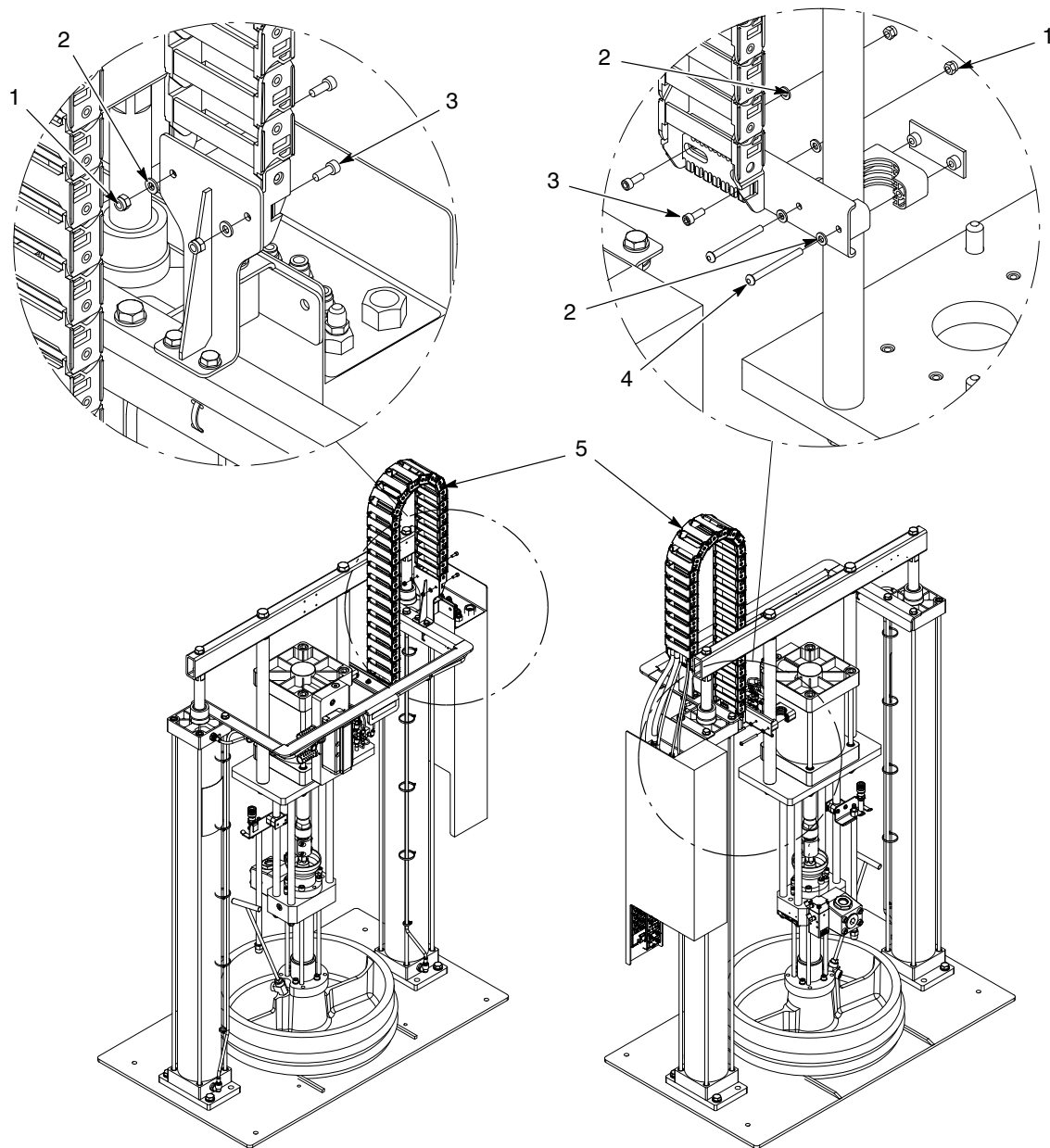


Figure 8 Module tuyaux pour petit/grand bâti avec moteur pneumatique SD3, 24 VCC (1 sur 3)

| Élément | P/N     | Description                                              | Quantité | Note |
|---------|---------|----------------------------------------------------------|----------|------|
| 1       | -----   | NUT, lock, nylon, M6, steel, zinc, class 8, per ISO 7040 | 4        |      |
| 2       | -----   | WASHER, flat, M, regular, M6, steel, zinc, per ISO 7089  | 8        |      |
| 3       | -----   | SCREW, socket, M6 x 16, zinc, class 12.9, per ISO 4762   | 4        |      |
| 4       | -----   | SCREW, socket, M6 x 65, zinc, class 12.9, per ISO 4762   | 2        |      |
| 5       | 1615647 | CHAIN, cable, 3.43 x 1.02, 27 links                      | 1        |      |

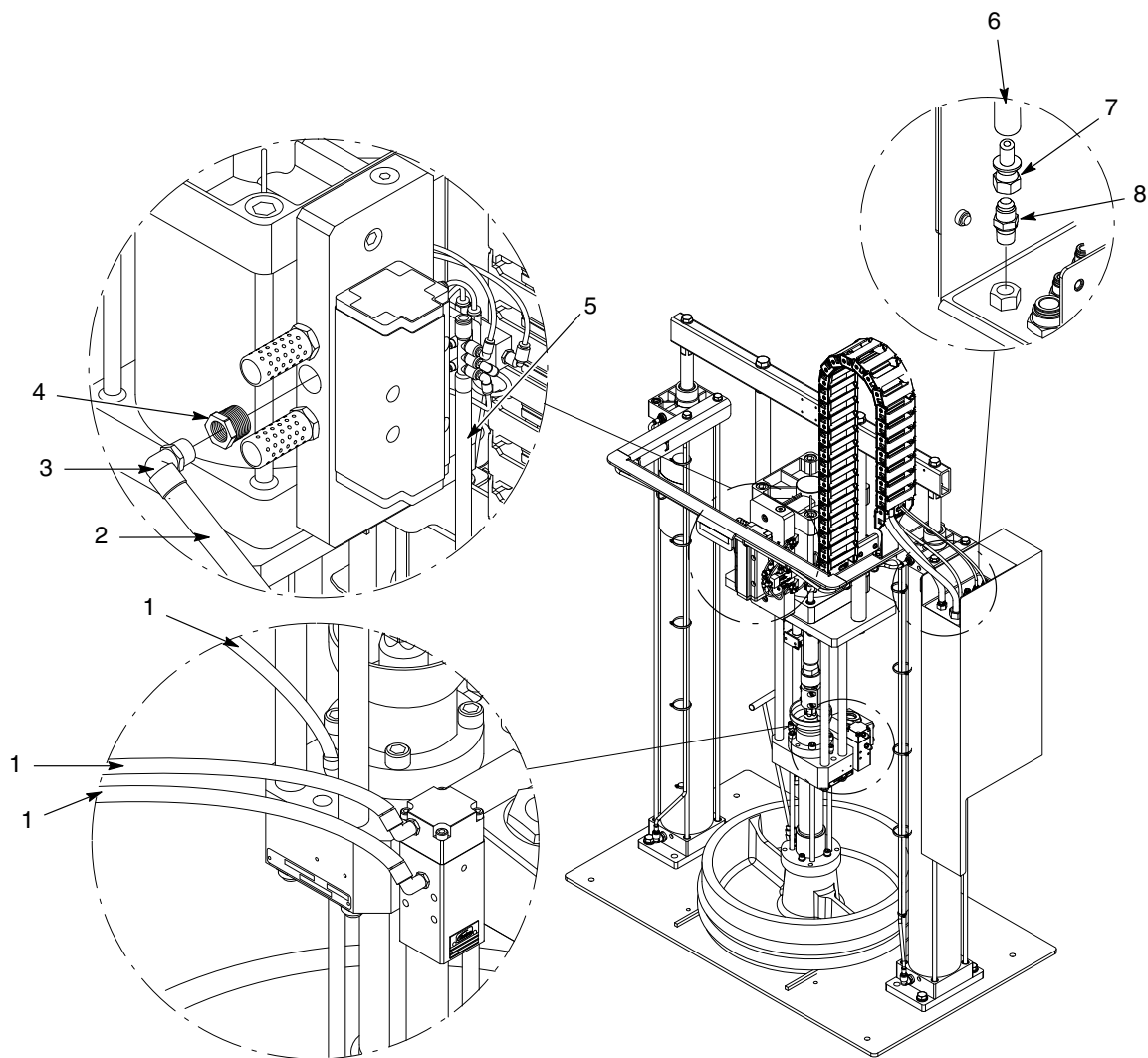


Figure 9 Module tuyaux pour petit/grand bâti avec moteur pneumatique SD3, 24 VCC (2 sur 3)

| Élément                                                                  | P/N     | Description                                          | Quantité | Note |
|--------------------------------------------------------------------------|---------|------------------------------------------------------|----------|------|
| 1                                                                        | 1615643 | TUBE, 6 mm-OD, polyurethane, fire resistant, black   | 17 ft    | A    |
|                                                                          | 1615651 | TUBE, 6 mm-OD, polyurethane, fire resistant, blue    | 17 ft    |      |
| 2                                                                        | 1615644 | TUBE, 16 mm-OD, polyurethane, fire resistant, black  | 8 ft     |      |
|                                                                          | 1615653 | TUBE, 16 mm-OD, polyurethane, fire resistant, blue   | 8 ft     |      |
| 3                                                                        | 1100040 | CONNECTOR, male, elbow, 16 mm T x 1/2 RPT, with seal | 1        |      |
| 4                                                                        | -----   | BUSHING, BSPT pip, hydraulic, 3/4 x 1/2, steel, zinc | 1        |      |
| 5                                                                        | 1616611 | TUBE, 8 mm-OD, polyurethane, fire resistant, black   | 8 ft     |      |
|                                                                          | 1615652 | TUBE, 8 mm-OD, polyurethane, fire resistant, blue    | 8 ft     |      |
| 6                                                                        | 1045605 | HOSE, -06, low pressure, synthetic, fiber, M2 black  | 9.5 ft   |      |
|                                                                          | 1045606 | HOSE, -06, low pressure, synthetic, fiber, M1 blue   | 9.5 ft   |      |
| 7                                                                        | 1045647 | CONNECTOR, female, barbed, 3/8 T, 9/16-18, brass     | 1        |      |
| 8                                                                        | 1615608 | CONNECTOR, male, 3/8 T x R 1/4, steel                | 1        |      |
| REMARQUE A : Seulement pour les modules avec dépressurisation et/ou ARW. |         |                                                      |          |      |

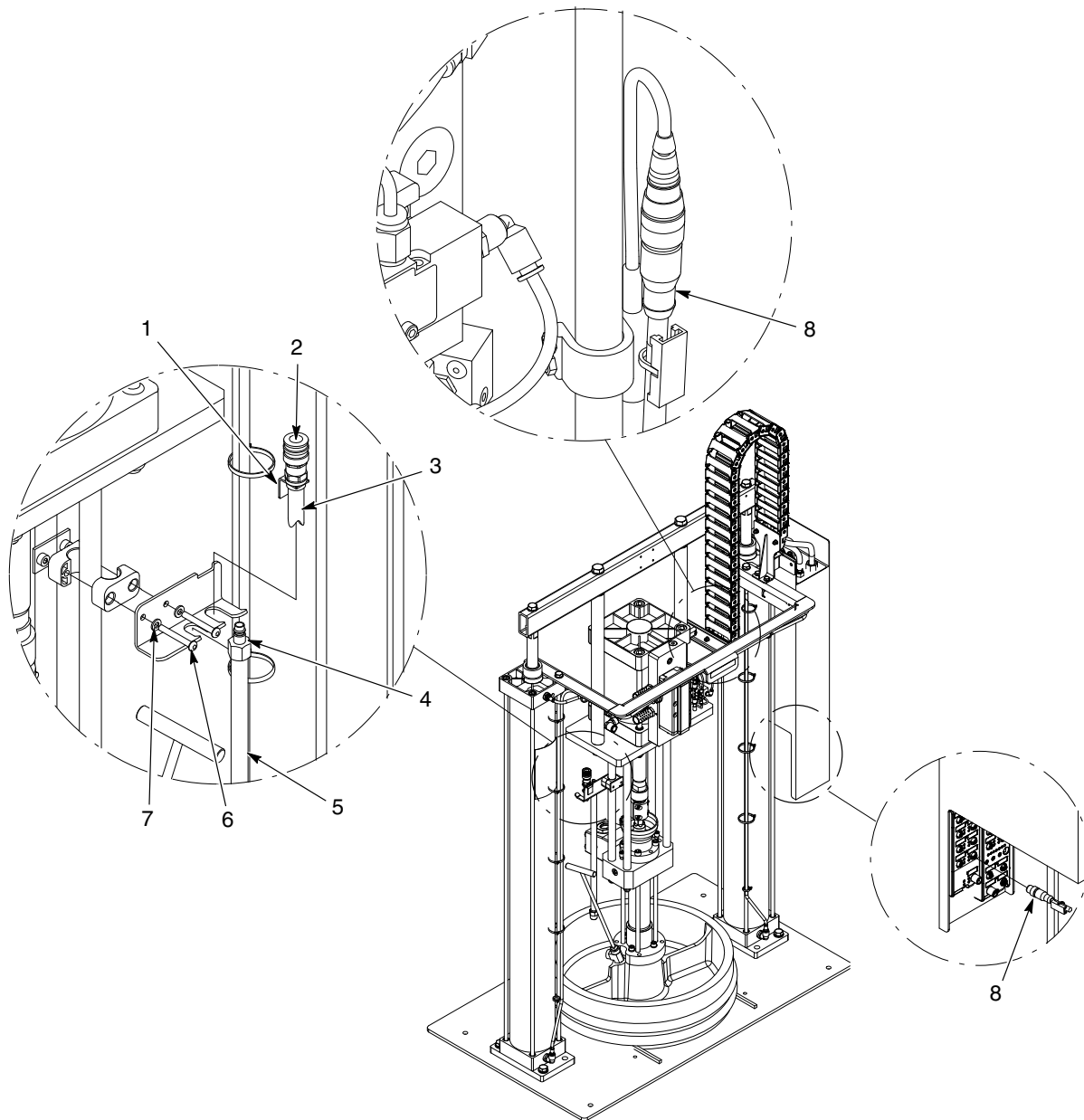


Figure 10 Module tuyaux pour petit/grand bâti avec moteur pneumatique SD3, 24 VCC (3 sur 3)

| Élément | P/N     | Description                                             | Quantité | Note |
|---------|---------|---------------------------------------------------------|----------|------|
| 1       | 324046  | HANGER, hose                                            | 1        |      |
| 2       | -----   | COUPLER, disconnect, barb, pushlock, 3/8 tube           | 1        |      |
| 3       | 1045605 | HOSE, -06, low pressure, synthetic, fiber, M2 black     | 9.5 ft   |      |
|         | 1045606 | HOSE, -06, low pressure, synthetic, fiber, M1 blue      | 9.5 ft   |      |
| 4       | 1073257 | NIPPLE, disconnect, 1/4 T, 3/8 NPT, female              | 1        |      |
| 5       | 1073896 | NIPPLE, pipe, schedule 40, 3/8 NPT, 18 in., galvanized  | 1        |      |
| 6       | -----   | SCREW, socket, M6 x 45, zinc, class 12.9, per ISO 4762  | 2        |      |
| 7       | 983029  | WASHER, flat, M, regular, M6, steel, zinc, per ISO 7089 | 8        |      |
| 8       | 1615824 | CABLE, 4-pin micro, 4 m, male/female                    | 1        |      |

## Module tuyaux pour petit/grand bâti avec moteur pneumatique SD2, 24 VCC

Voir la figure 11-13 et la liste de pièces ci-après.

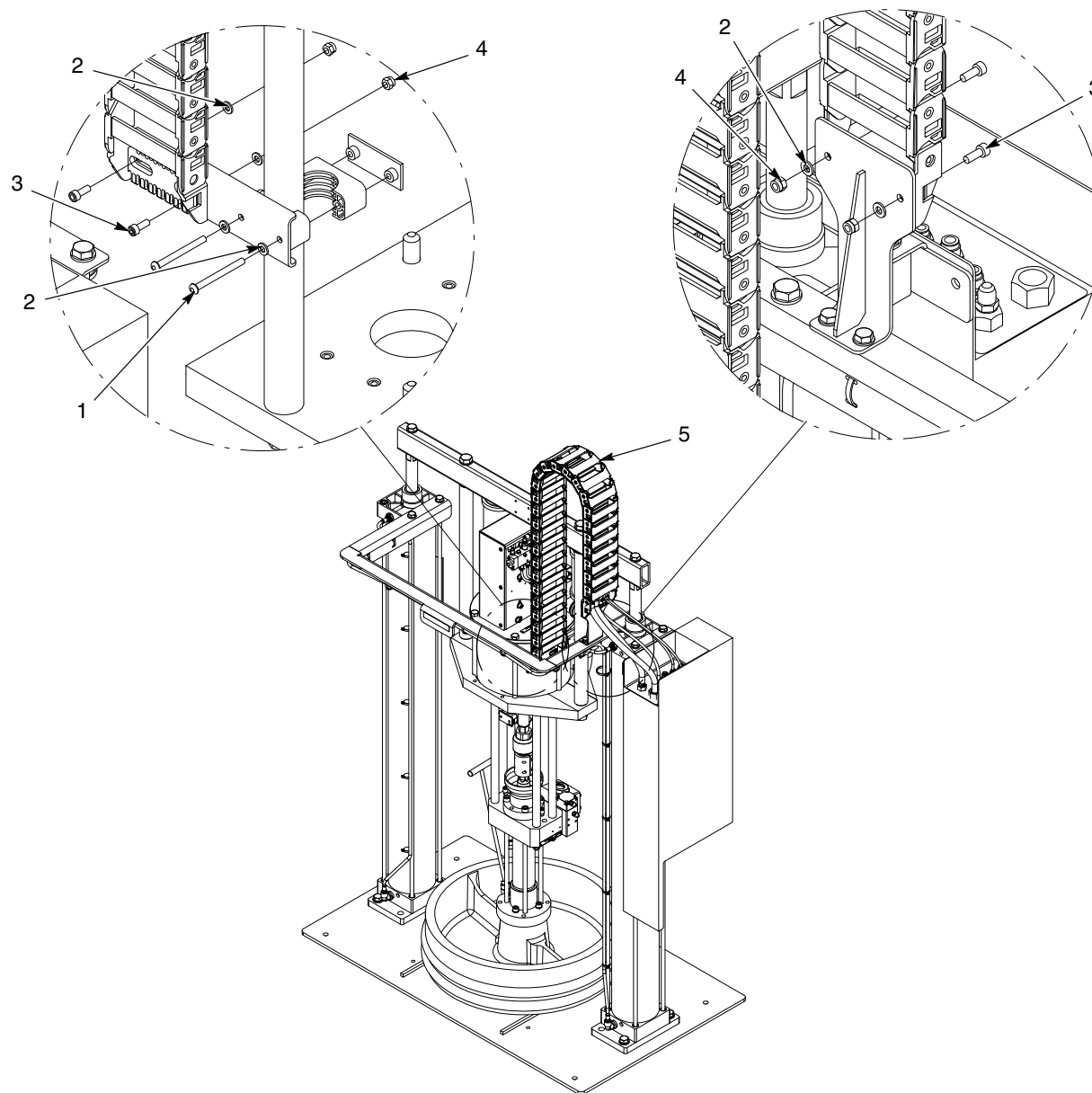


Figure 11 Module tuyaux pour petit/grand bâti avec moteur pneumatique SD2, 24 VCC (1 sur 3)

| Élément | P/N     | Description                                              | Quantité | Note |
|---------|---------|----------------------------------------------------------|----------|------|
| 1       | -----   | SCREW, socket, M6 x 65, zinc, class 12.9, per ISO 4762   | 2        |      |
| 2       | -----   | WASHER, flat, M, regular, M6, steel, zinc, per ISO 7089  | 8        |      |
| 3       | -----   | SCREW, socket, M6 x 16, zinc, class 12.9, per ISO 4762   | 4        |      |
| 4       | -----   | NUT, lock, nylon, M6, steel, zinc, class 8, per ISO 7040 | 4        |      |
| 5       | 1615647 | CHAIN, cable, 3.43 x 1.02, 27 links                      | 1        |      |

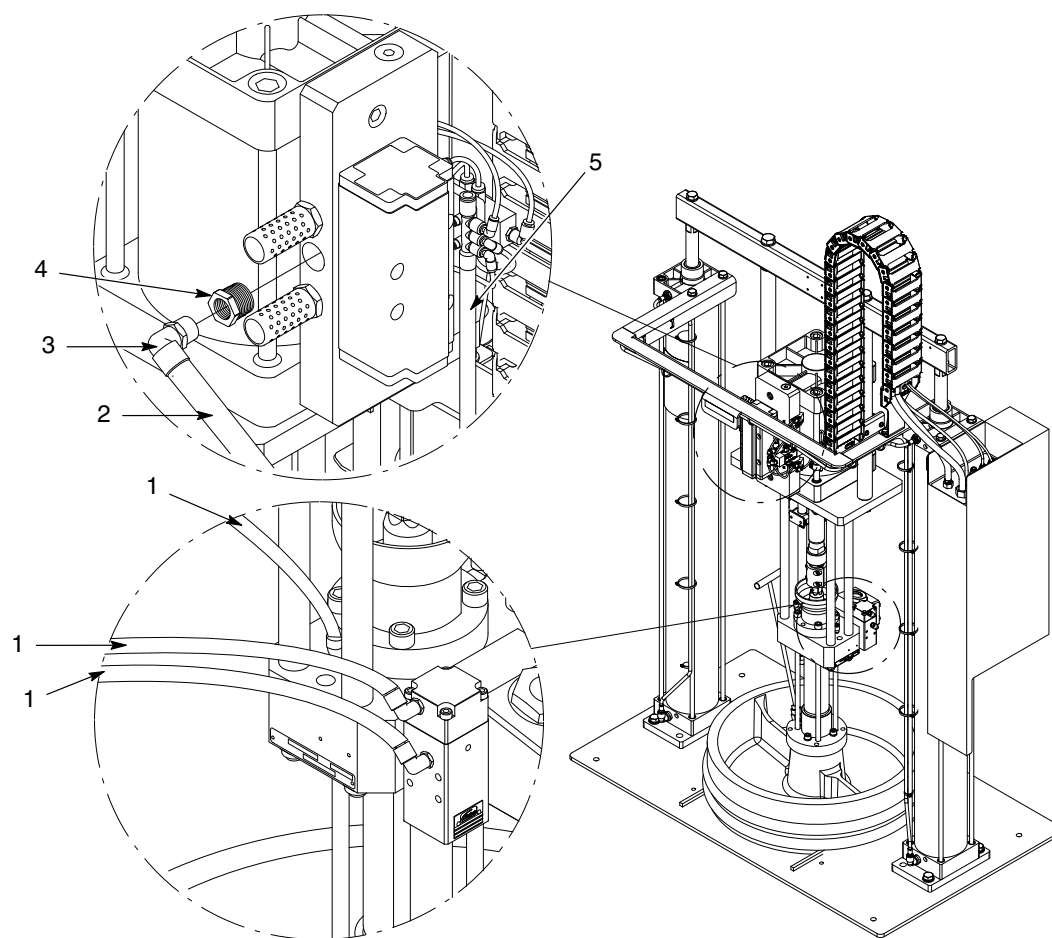


Figure 12 Module tuyaux pour petit/grand bâti avec moteur pneumatique SD2, 24 VCC (2 sur 3)

| Élément                                                                  | P/N     | Description                                         | Quantité | Note |
|--------------------------------------------------------------------------|---------|-----------------------------------------------------|----------|------|
| 1                                                                        | 1615643 | TUBE, 6 mm-OD, polyurethane, fire resistant, black  | 17 ft    | A    |
|                                                                          | 1615651 | TUBE, 6 mm-OD, polyurethane, fire resistant, blue   | 17 ft    |      |
| 2                                                                        | 1615644 | TUBE, 16 mm-OD, polyurethane, fire resistant, black | 8 ft     |      |
|                                                                          | 1615653 | TUBE, 16 mm-OD, polyurethane, fire resistant, blue  | 8 ft     |      |
| 3                                                                        | 1100040 | CONNECTOR, male, elbow, 16 mm T x ½ RPT, with seal  | 1        |      |
| 4                                                                        | -----   | BUSHING, BSPT pipe, hydraulic, ¾ x ½, steel, zinc   | 1        |      |
| 5                                                                        | 1616611 | TUBE, 8 mm-OD, polyurethane, fire resistant, black  | 8 ft     |      |
|                                                                          | 1615652 | TUBE, 8 mm-OD, polyurethane, fire resistant, blue   | 8 ft     |      |
| REMARQUE A : Seulement pour les modules avec dépressurisation et/ou ARW. |         |                                                     |          |      |

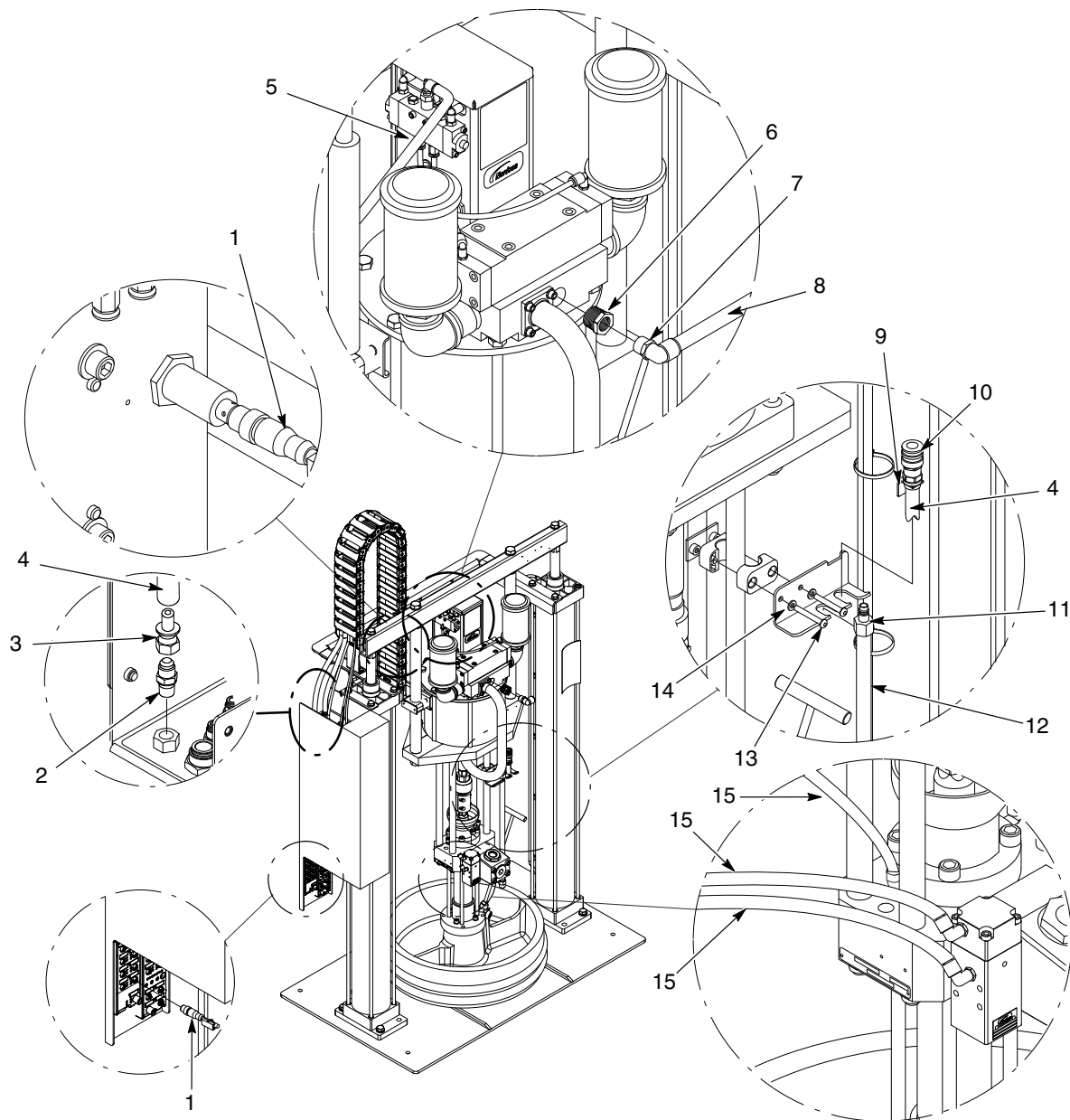


Figure 13 Module tuyaux pour petit/grand bâti avec moteur pneumatique SD2, 24 VCC (3 sur 3)

| Élément                                                                  | P/N     | Description                                             | Quantité | Note |
|--------------------------------------------------------------------------|---------|---------------------------------------------------------|----------|------|
| 1                                                                        | 1615824 | CABLE, 4-pin micro, 4 M, male/female                    | 1        |      |
| 2                                                                        | 1615608 | CONENCTOR, male, 37, ⅜ T x R ¼, steel                   | 1        |      |
| 3                                                                        | 1045647 | CONNECTOR, female, barbed, ⅜ T, 9/16-18, brass          | 1        |      |
| 4                                                                        | 1045605 | HOSE, -06, low pressure, synthetic, fiber, M2 black     | 9.5 ft   |      |
|                                                                          | 1045606 | HOSE, -06, low pressure, synthetic, fiber, M1 blue      | 9.5 ft   |      |
| 5                                                                        | 1616611 | TUBE, 8 mm-OD, polyurethane, fire resistant, black      | 8 ft     |      |
|                                                                          | 1615652 | TUBE, 8 mm-OD, polyurethane, fire resistant, blue       | 8 ft     |      |
| 6                                                                        | -----   | BUSHING, BSPT pipe, hydraulic, ¾ x ½, steel, zinc       | 1        |      |
| 7                                                                        | 1100040 | CONNECTOR, male, 16 mm T x ½ RPT, with seal             | 1        |      |
| 8                                                                        | 1615644 | TUBE, 16 mm-OD, polyurethane, fire resistant, black     | 8 ft     |      |
|                                                                          | 1615653 | TUBE, 16 mm-OD, polyurethane, fire resistant, blue      | 8 ft     |      |
| 9                                                                        | 324046  | HANGER, hose                                            | 1        |      |
| 10                                                                       | -----   | COUPLER, disconnect, barbed, pushlock, ⅜ tube           | 1        |      |
| 11                                                                       | 1073257 | NIPPLE, disconnect, ¼ T, ⅜ NPT, female                  | 1        |      |
| 12                                                                       | 1073896 | NIPPLE, pipe, schedule 40, ⅜ NPT, 18 in., galvanized    | 1        |      |
| 13                                                                       | -----   | SCREW, socket, M6 x 45, zinc, class 12.9, per ISO 4762  | 2        |      |
| 14                                                                       | -----   | WASHER, flat, M, regular, M6, steel, zinc, per ISO 7089 | 8        |      |
| 15                                                                       | 1615643 | TUBE, 6 mm-OD, polyurethane, fire resistant, black      | 17 ft    | A    |
|                                                                          | 1615651 | TUBE, 6 mm-OD, polyurethane, fire resistant, blue       | 17 ft    |      |
| REMARQUE A : Seulement pour les modules avec dépressurisation et/ou ARW. |         |                                                         |          |      |

## Module tuyaux pour petit/grand bâti avec moteur pneumatique SD3, MT, 24 VCC

Voir la figure 14-15 et la liste de pièces ci-après.

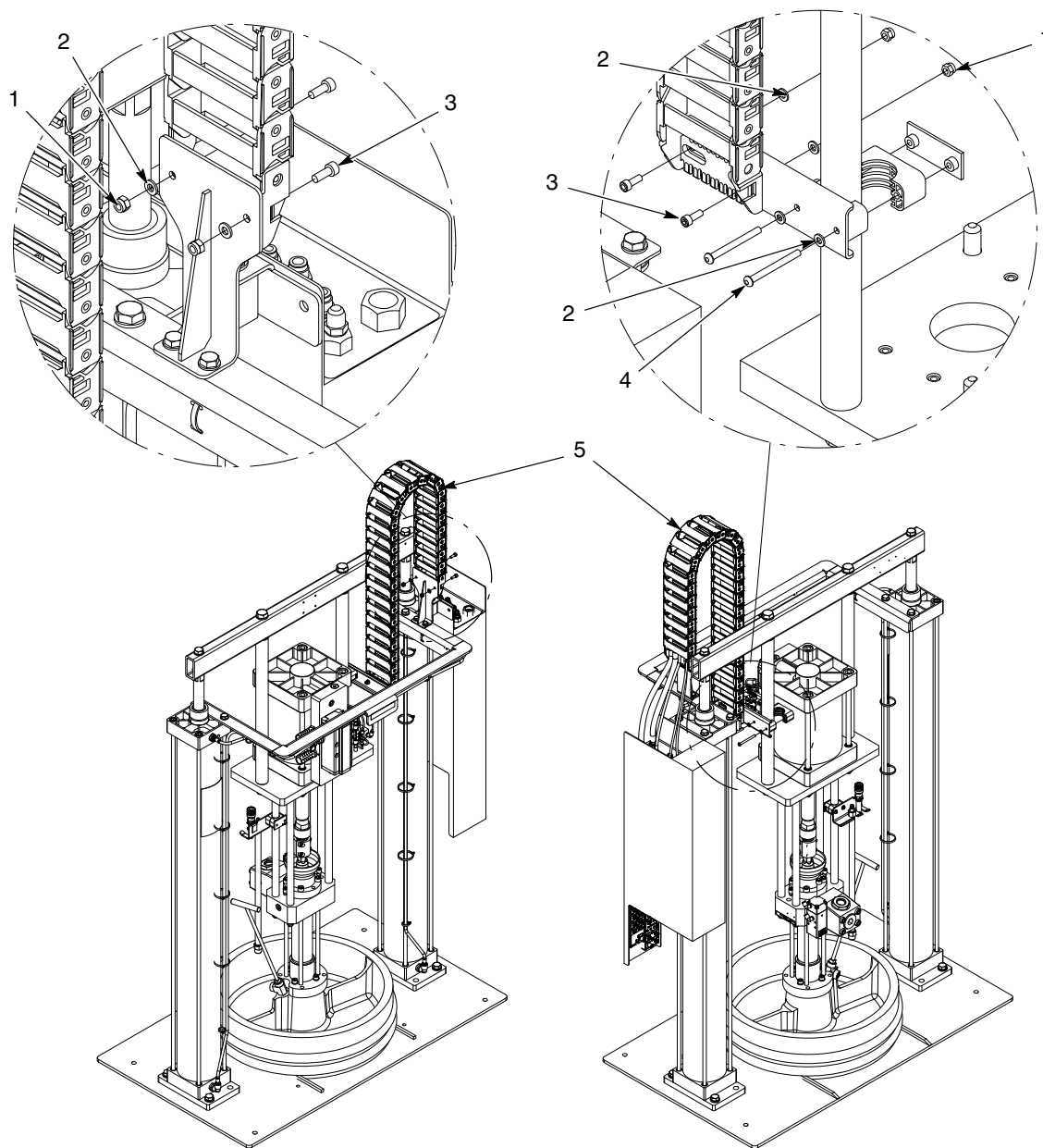


Figure 14 Module tuyaux pour petit/grand bâti avec moteur pneumatique SD3, MT, 24 VCC (1 sur 2)

| Élément | P/N     | Description                                              | Quantité | Note |
|---------|---------|----------------------------------------------------------|----------|------|
| 1       | -----   | NUT, lock, nylon, M6, steel, zinc, class 8, per ISO 7040 | 4        |      |
| 2       | -----   | WASHER, flat, M, regular, M6, steel, zinc, per ISO 7089  | 8        |      |
| 3       | -----   | SCREW, socket, M6 x 16, zinc, class 12.9, per ISO 4762   | 4        |      |
| 4       | -----   | SCREW, socket, M6 x 65, zinc, class 12.9, per ISO 4762   | 2        |      |
| 5       | 1615647 | CHAIN, cable, 3.43 x 1.02, 27 links                      | 1        |      |

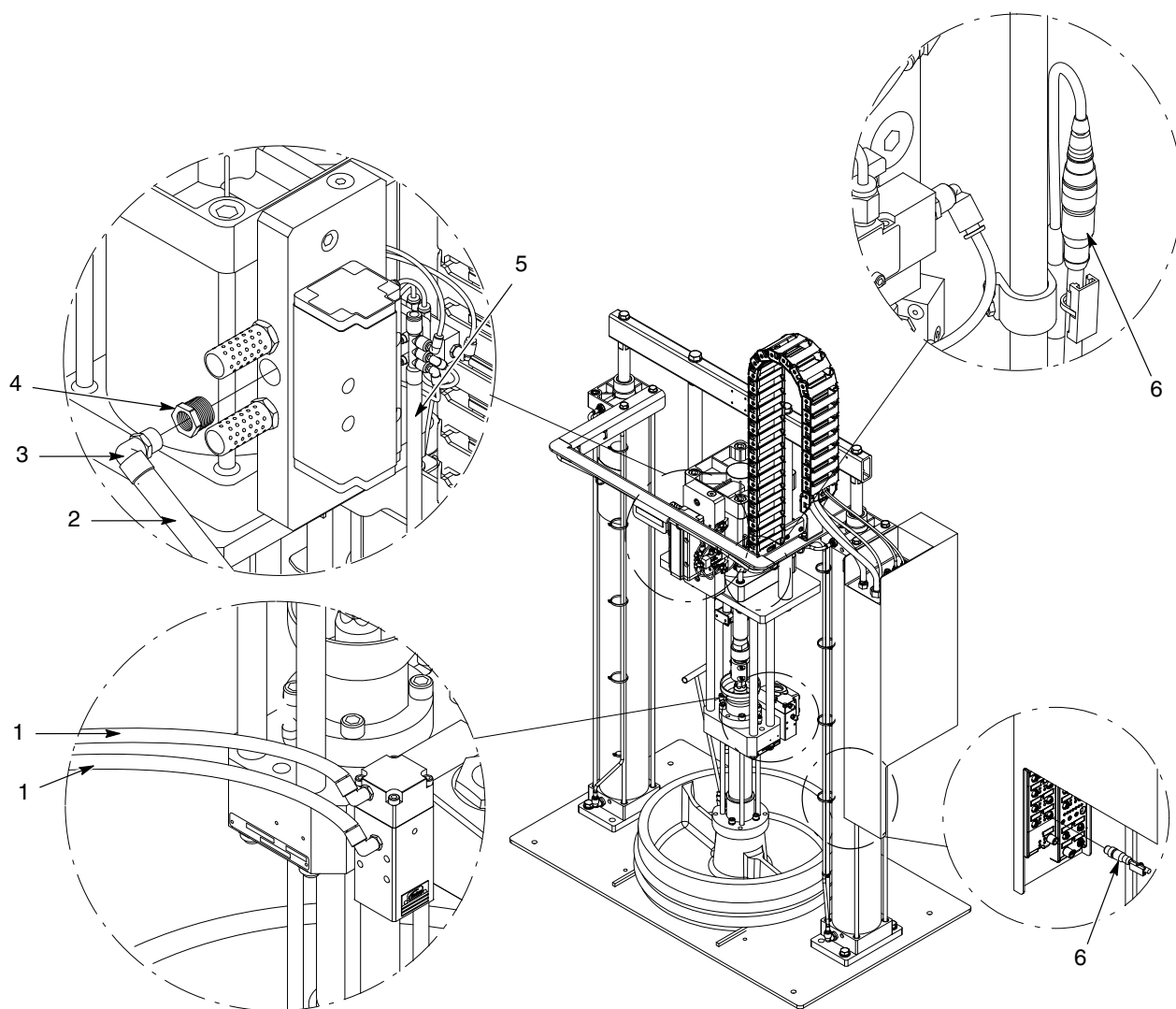


Figure 15 Module tuyaux pour petit/grand bâti avec moteur pneumatique SD3, MT, 24 VCC (2 sur 2)

| Élément                                                                  | P/N     | Description                                         | Quantité | Note |
|--------------------------------------------------------------------------|---------|-----------------------------------------------------|----------|------|
| 1                                                                        | 1615643 | TUBE, 6 mm-OD, polyurethane, fire resistant, black  | 17 ft    | A    |
|                                                                          | 1615651 | TUBE, 6 mm-OD, polyurethane, fire resistant, blue   | 17 ft    |      |
| 2                                                                        | 1615644 | TUBE, 16 mm-OD, polyurethane, fire resistant, black | 8 ft     |      |
|                                                                          | 1615653 | TUBE, 16 mm-OD, polyurethane, fire resistant, blue  | 8 ft     |      |
| 3                                                                        | 1100040 | CONNECTOR, male, elbow, 16 mm T x ½ RPT, with seal  | 1        |      |
| 4                                                                        | -----   | BUSHING, BSPT pipe, hydraulic, ¾ x ½, steel, zinc   | 1        |      |
| 5                                                                        | 1616611 | TUBE, 8 mm-OD, polyurethane, fire resistant, black  | 8 ft     |      |
|                                                                          | 1615652 | TUBE, 8 mm-OD, polyurethane, fire resistant, blue   | 8 ft     |      |
| 6                                                                        | 1615824 | CABLE, 4-pin micro, 4 M, male/female                | 1        |      |
| REMARQUE A : Seulement pour les modules avec dépressurisation et/ou ARW. |         |                                                     |          |      |

## Module tuyaux pour petit/grand bâti avec moteur pneumatique SD2, MT, 24 VCC

Voir la figure 16-17 et la liste de pièces ci-après.

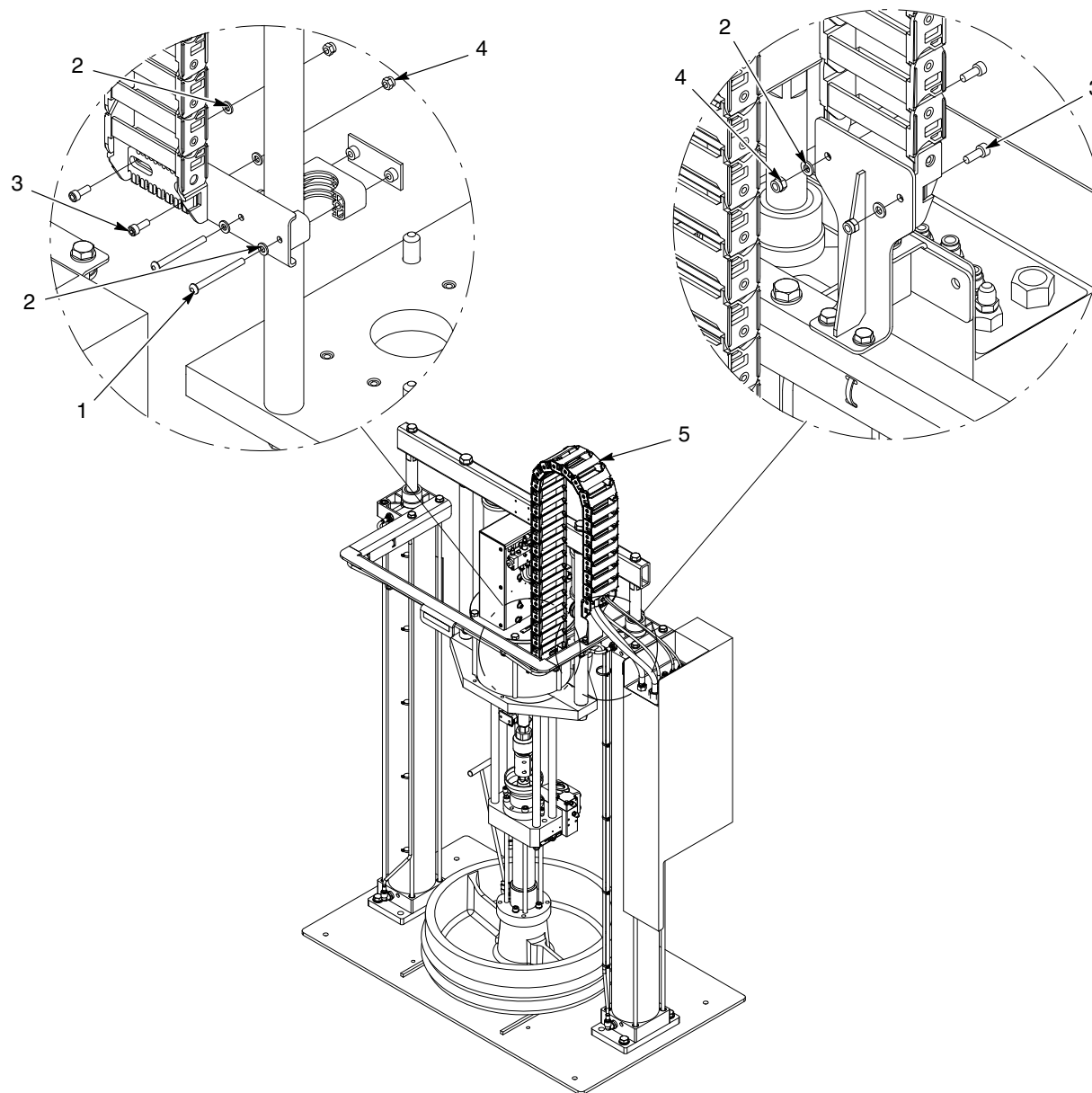


Figure 16 Module tuyaux pour petit/grand bâti avec moteur pneumatique SD2, MT, 24 VCC (1 sur 2)

| Élément | P/N     | Description                                              | Quantité | Note |
|---------|---------|----------------------------------------------------------|----------|------|
| 1       | -----   | SCREW, socket, M6 x 65, zinc, class 12.9, per ISO 4762   | 2        |      |
| 2       | -----   | WASHER, flat, M, regular, M6, steel, zinc, per ISO 7089  | 8        |      |
| 3       | -----   | SCREW, socket, M6 x 16, zinc, class 12.9, per ISO 4762   | 4        |      |
| 4       | -----   | NUT, lock, nylon, M6, steel, zinc, class 8, per ISO 7040 | 4        |      |
| 5       | 1615647 | CHAIN, cable, 3.43 x 1.02, 27 links                      | 1        |      |

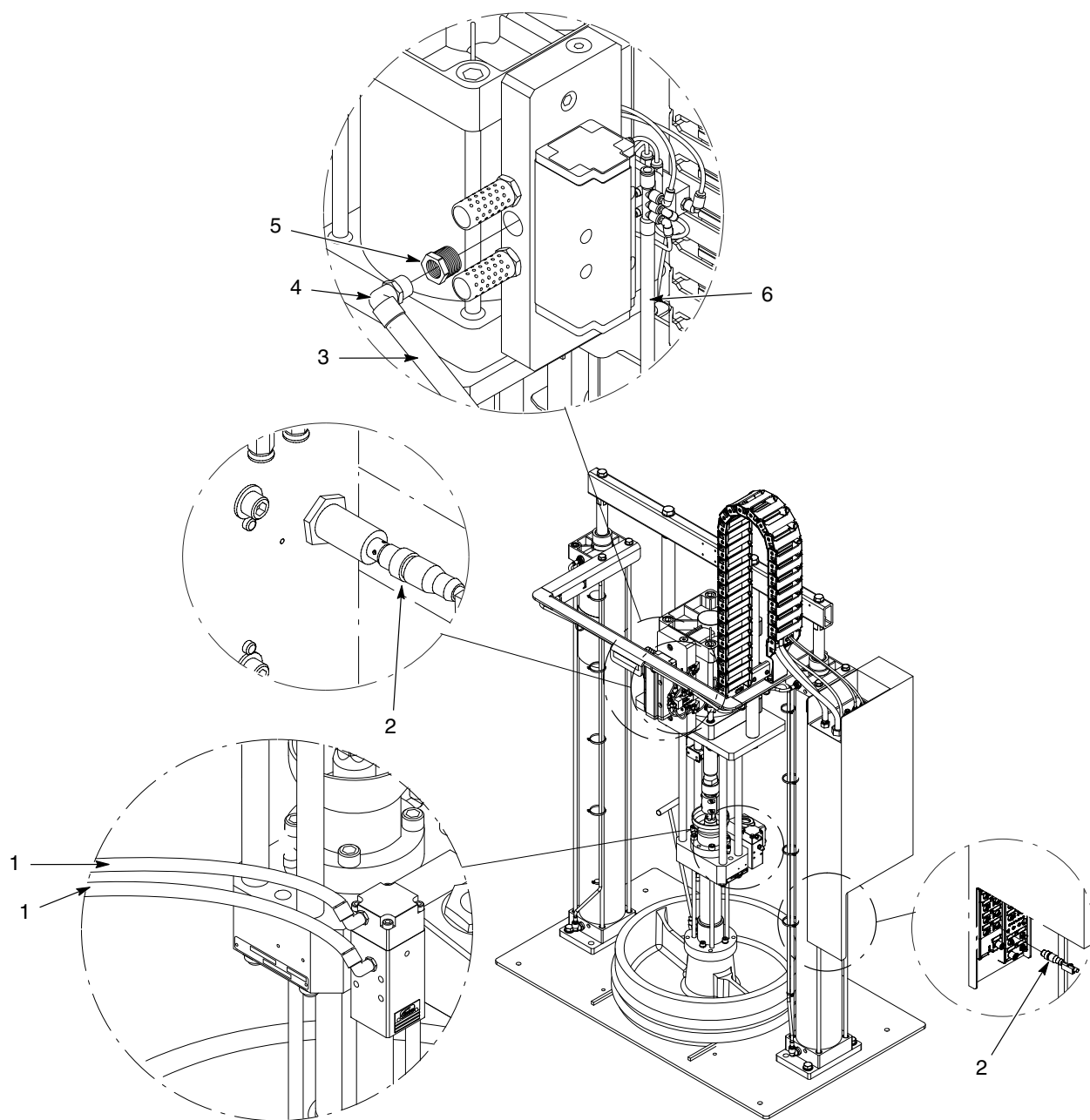


Figure 17 Module tuyaux pour petit/grand bâti avec moteur pneumatique SD2, MT, 24 VCC (2 sur 2)

| Élément                                                                  | P/N     | Description                                         | Quantité | Note |
|--------------------------------------------------------------------------|---------|-----------------------------------------------------|----------|------|
| 1                                                                        | 1615643 | TUBE, 6 mm-OD, polyurethane, fire resistant, black  | 17 ft    | A    |
|                                                                          | 1615651 | TUBE, 6 mm-OD, polyurethane, fire resistant, blue   | 17 ft    |      |
| 2                                                                        | 1615824 | CABLE, 4-pin micro, 4 M, male/female                | 1        |      |
| 3                                                                        | 1615644 | TUBE, 16 mm-OD, polyurethane, fire resistant, black | 8 ft     |      |
|                                                                          | 1615653 | TUBE, 16 mm-OD, polyurethane, fire resistant, blue  | 8 ft     |      |
| 4                                                                        | 1100040 | CONNECTOR, male, elbow, 16 mm T x ½ RPT, with seal  | 1        |      |
| 5                                                                        | -----   | BUSHING, BSPT pip, hydraulic, ¾ x ½, steel, zinc    | 1        |      |
| 6                                                                        | 1616611 | TUBE, 8 mm-OD, polyurethane, fire resistant, black  | 8 ft     |      |
|                                                                          | 1615652 | TUBE, 8 mm-OD, polyurethane, fire resistant, blue   | 8 ft     |      |
| REMARQUE A : Seulement pour les modules avec dépressurisation et/ou ARW. |         |                                                     |          |      |

## Module tuyaux pour bâti DP avec moteur pneumatique SD3, pneumatique

Voir la figure 18-19 et la liste de pièces ci-après.

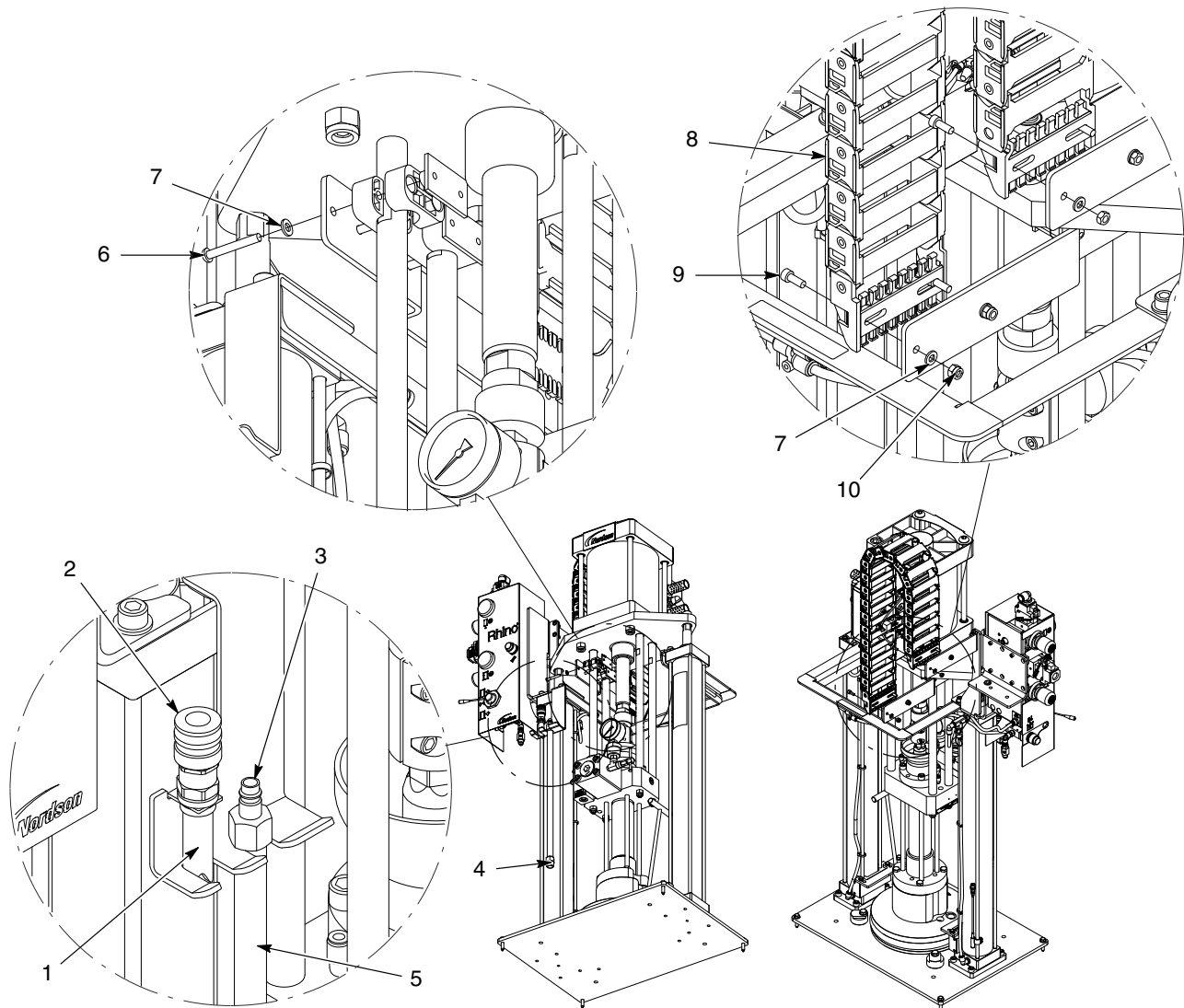


Figure 18 Module tuyaux pour bâti DP avec moteur pneumatique SD3, pneumatique (1 sur 2)

| Élément | P/N     | Description                                              | Quantité | Note |
|---------|---------|----------------------------------------------------------|----------|------|
| 1       | 1045605 | HOSE, -06, low pressure, synthetic, fiber, M2 black      | 6 ft     |      |
| 2       | -----   | COUPLER, disconnect, barbed, pushlock, 3/8 tube          | 1        |      |
| 3       | -----   | NIPPLE, disconnect, 1/4 T, 3/8 NPT female                | 1        |      |
| 4       | -----   | BUSHING, pipe, hydraulic, 1/2 x 3/8, steel, zinc         | 1        |      |
| 5       | -----   | NIPPLE, pipe, schedule 40, 3/8 NPT, 18 in., galvanized   | 1        |      |
| 6       | -----   | SCREW, socket, M6 x 45, class 12.9, per ISO 4762         | 4        |      |
| 7       | -----   | WASHER, flat, M, regular, M6, steel, zinc, per ISO 7089  | 8        |      |
| 8       | 1616841 | CHAIN, cable, 3.43 x 1.02, 18 links                      | 1        |      |
| 9       | -----   | SCREW, socket, M6 x 16, zinc, class 12.9, per ISO 4762   | 4        |      |
| 10      | -----   | NUT, lock, nylon, M6, steel, zinc, class 8, per ISO 7040 | 4        |      |

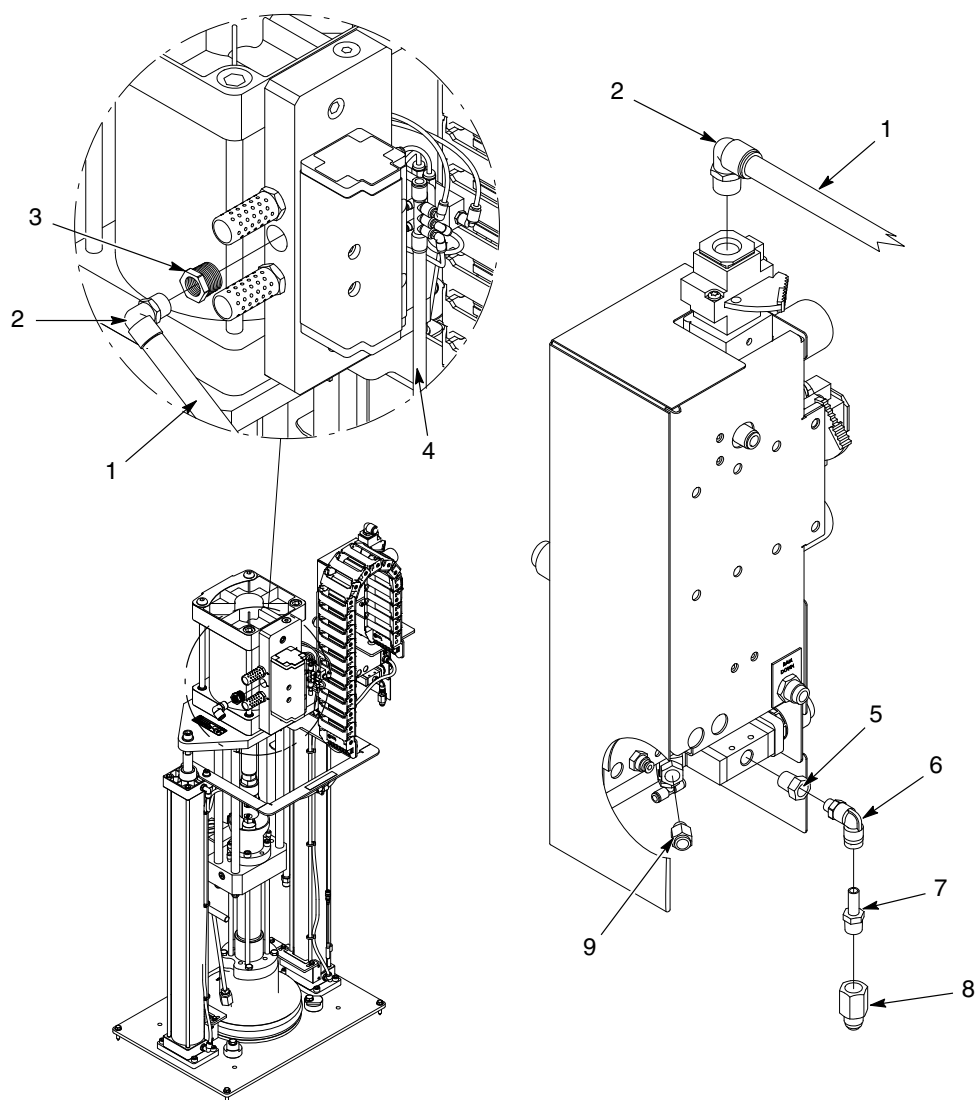


Figure 19 Module tuyaux pour bâti DP avec moteur pneumatique SD3, pneumatique (2 sur 2)

| Élément | P/N     | Description                                                  | Quantité | Note |
|---------|---------|--------------------------------------------------------------|----------|------|
| 1       | 1616612 | TUBE, 10 mm-OD, polyurethane, fire resistant, black          | 8 ft     |      |
|         | 1616613 | TUBE, 12 mm-OD, polyurethane, fire resistant, black          |          |      |
|         | 1615644 | TUBE, 16 mm-OD, polyurethane, fire resistant, black          |          |      |
| 2       | 1612106 | ELBOW, male, 10 mm T x R 1/4, with seal, fire resistant      | 2        |      |
|         | 1612107 | ELBOW, male, 10 mm T x R 3/8, with seal, fire resistant      |          |      |
|         | 1612109 | ELBOW, male, 12 mm T x R 1/2, with seal, fire resistant      |          |      |
|         | 1100040 | CONNECTOR, male, elbow, 16 mm T x 1/2 RPT, with seal         |          |      |
| 3       | -----   | BUSHING, BSPT pipe, hydraulic, 3/4 x 1/2, steel, zinc        | 1        |      |
| 4       | 1616611 | TUBE, 8 mm-OD, polyurethane, fire resistant, black           | 8 ft     |      |
| 5       | 1613369 | BUSHING, red, R 1/4 x RC 1/8, BRS, NP                        | 1        |      |
| 6       | 1613372 | ELBOW, male, restrict-flow, 8 mm T x R 1/8, 1.7 diameter     | 1        |      |
| 7       | -----   | ADAPTER, 8 mm T x 1/4 RPT                                    | 1        |      |
| 8       | 1616813 | CONNECTOR, male, 37, 3/8 T x G 1/4 female, steel             | 1        |      |
| 9       | -----   | CONNECTOR, male, restrict-flow, 8 mm T x R 1/8, 1.1 diameter | 1        |      |

## Module tuyaux pour bâti DP avec moteur pneumatique SD2, pneumatique

Voir la figure 20-21 et la liste de pièces ci-après.

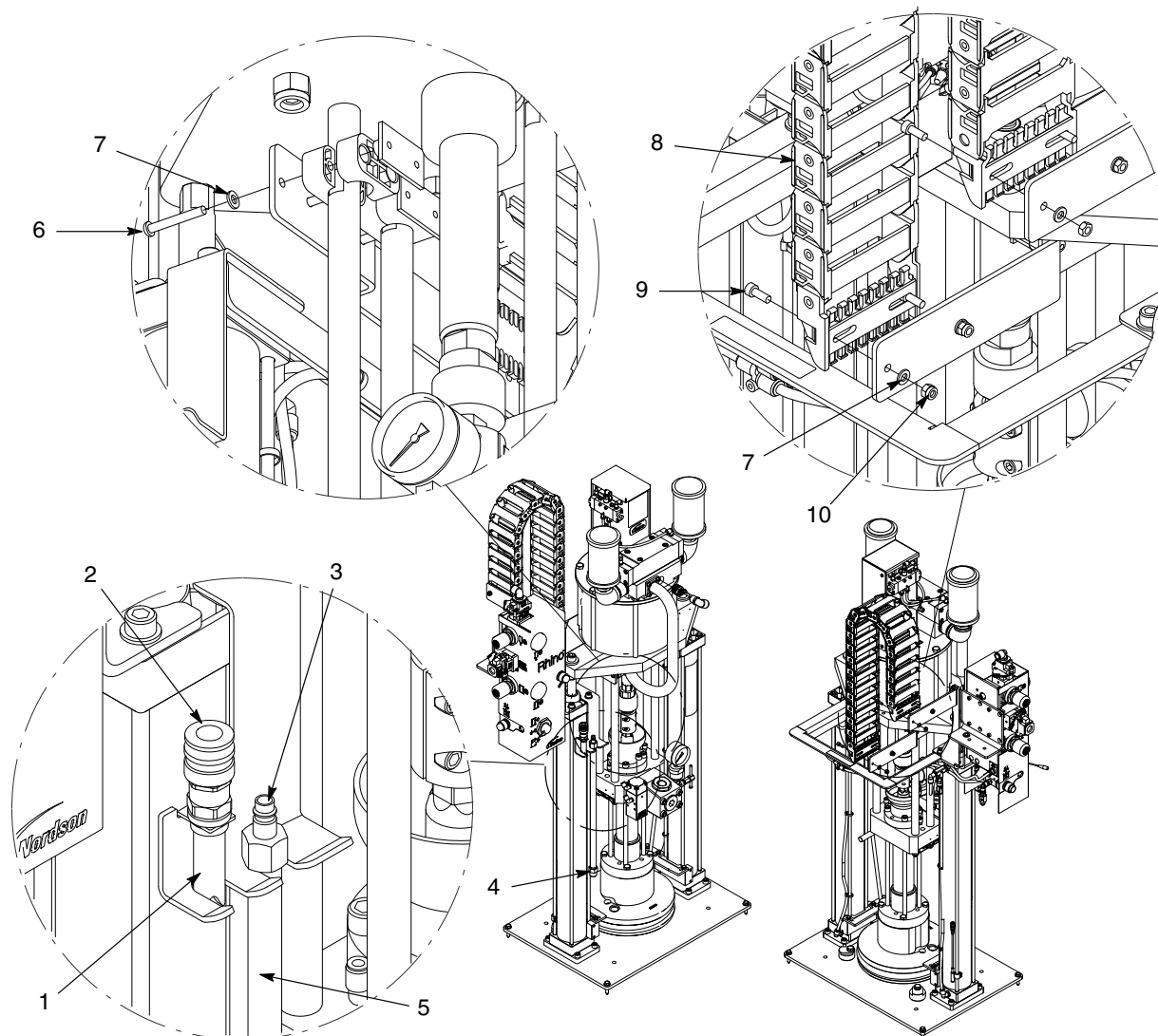


Figure 20 Module tuyaux pour bâti DP avec moteur pneumatique SD2, pneumatique (1 sur 2)

| Elément | P/N     | Description                                                           | Quantité | Note |
|---------|---------|-----------------------------------------------------------------------|----------|------|
| 1       | 1045605 | HOSE, -06, low pressure, synthetic, fiber, M2                         | 6 ft     |      |
| 2       | -----   | COUPLER, disconnect, barbed, pushlock, $\frac{3}{8}$ tube             | 1        |      |
| 3       | -----   | NIPPLE, disconnect, $\frac{1}{4}$ T, $\frac{3}{8}$ NPT female         | 1        |      |
| 4       | -----   | BUSHING, pipe, hydraulic, $\frac{1}{2}$ x $\frac{3}{8}$ , steel, zinc | 1        |      |
| 5       | -----   | NIPPLE, pipe, schedule 40, $\frac{3}{8}$ NPT, 18 in., galvanized      | 1        |      |
| 6       | -----   | SCREW, socket, M6 x 45, class 12.9, per ISO 4762                      | 4        |      |
| 7       | -----   | WASHER, flat, M, regular, M6, steel, zinc, per ISO 7089               | 8        |      |
| 8       | 1616841 | CHAIN, cable, 3.43 x 1.02, 18 links                                   | 1        |      |
| 9       | -----   | SCREW, socket, M6 x 16, zinc, class 12.9, per ISO 4762                | 4        |      |
| 10      | -----   | NUT, lock, nylon, M6, steel, zinc, class 8, per ISO 7040              | 4        |      |

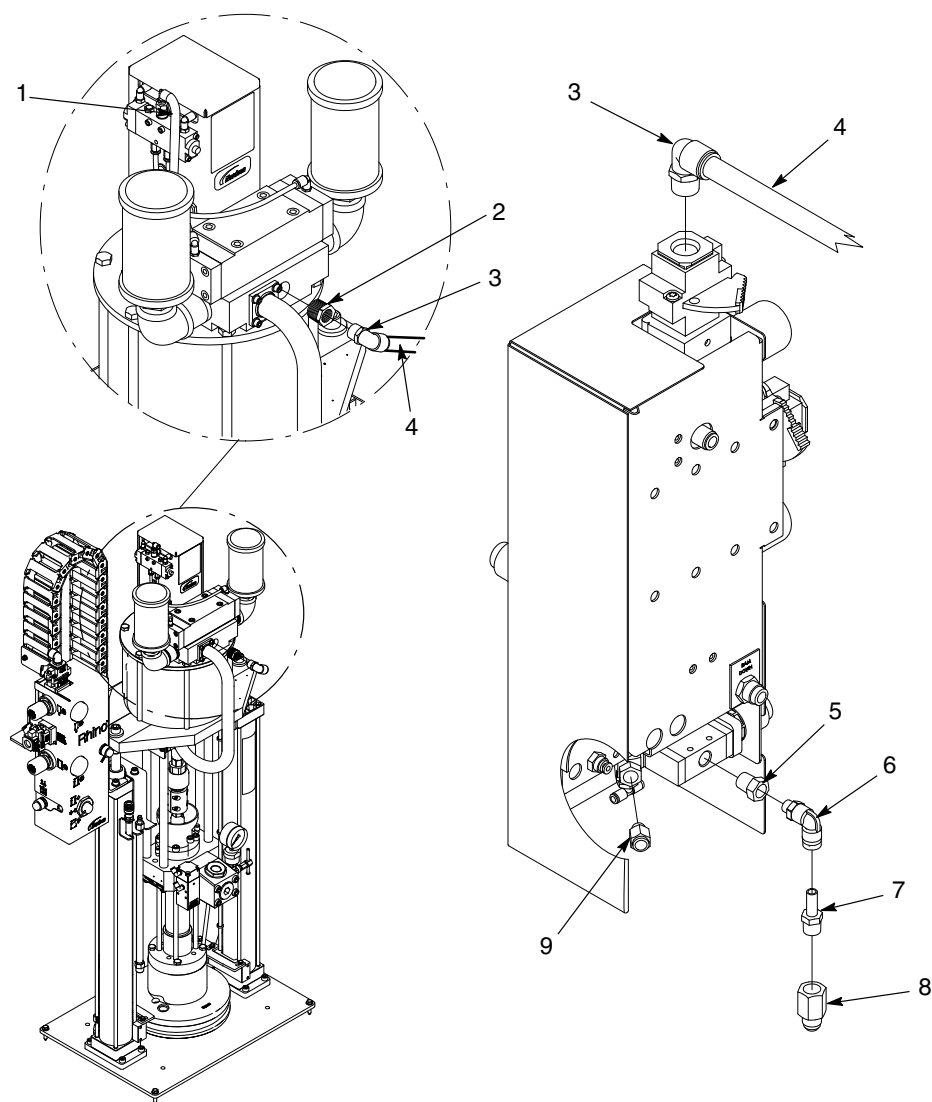


Figure 21 Module tuyaux pour bâti DP avec moteur pneumatique SD2, pneumatique (2 sur 2)

| Élément | P/N     | Description                                                                | Quantité | Note |
|---------|---------|----------------------------------------------------------------------------|----------|------|
| 1       | 1616611 | TUBE, 8 mm-OD, polyurethane, fire resistant, black                         | 8 ft     |      |
| 2       | -----   | BUSHING, BSPT pipe, hydraulic, $\frac{3}{4}$ x $\frac{1}{2}$ , steel, zinc | 1        |      |
| 3       | 1612106 | ELBOW, male, 10 mm T x R $\frac{1}{4}$ , with seal, fire resistant         | 2        |      |
|         | 1612107 | ELBOW, male, 10 mm T x R $\frac{3}{8}$ , with seal, fire resistant         |          |      |
|         | 1612109 | ELBOW, male, 12 mm T x R $\frac{1}{2}$ , with seal, fire resistant         |          |      |
|         | 1100040 | CONNECTOR, male, elbow, 16 mm T x $\frac{1}{2}$ RPT, with seal             |          |      |
| 4       | 1616612 | TUBE, 10 mm-OD, polyurethane, fire resistant, black                        | 8 ft     |      |
|         | 1616613 | TUBE, 12 mm-OD, polyurethane, fire resistant, black                        |          |      |
|         | 1615644 | TUBE, 16 mm-OD, polyurethane, fire resistant, black                        |          |      |
| 5       | 1613369 | BUSHING, red, R $\frac{1}{4}$ x RC $\frac{1}{8}$ , BRS, NP                 | 1        |      |
| 6       | 1613372 | ELBOW, male, restrict-flow, 8 mm T x R $\frac{1}{8}$ , 1.7 diameter        | 1        |      |
| 7       | -----   | ADAPTER, 8 mm T x $\frac{1}{4}$ RPT                                        | 1        |      |
| 8       | 1616813 | CONNECTOR, male, 37, $\frac{3}{8}$ T x G $\frac{1}{4}$ female, steel       | 1        |      |
| 9       | -----   | CONNECTOR, male, restrict-flow, 8 mm T x R $\frac{1}{8}$ , 1.1 diameter    | 1        |      |

## Module tuyaux pour petit/grand bâti avec moteur pneumatique SD3, 55 gallons, pneumatique

Voir la figure 22-23 et la liste de pièces ci-après.

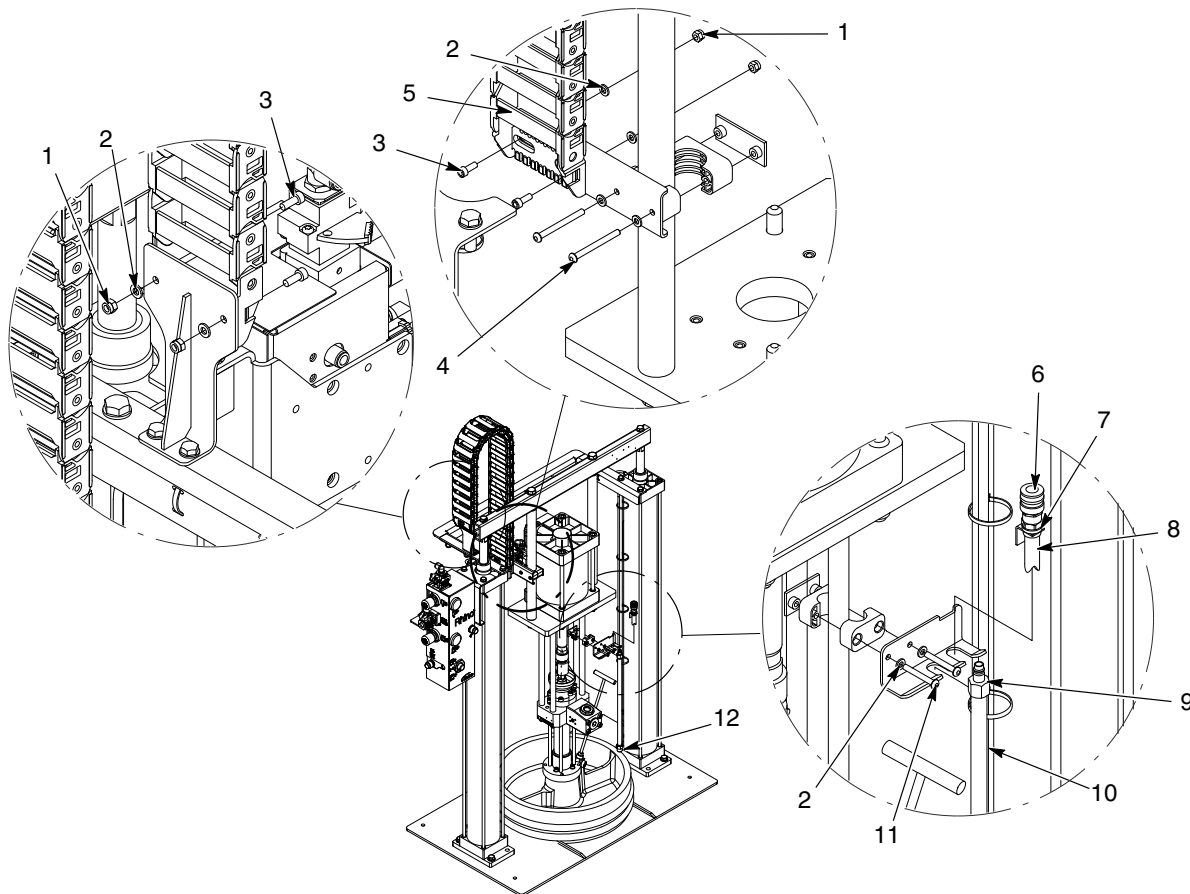


Figure 22 Module tuyaux pour petit/grand bâti avec moteur pneumatique SD3, 55 gallons, pneumatique (1 sur 2)

| Élément | P/N     | Description                                             | Quantité | Note |
|---------|---------|---------------------------------------------------------|----------|------|
| 1       | -----   | NUT, lock, nylon, M6 steel, zinc, class 8, per ISO 7040 | 4        |      |
| 2       | -----   | WASHER, flat, M, regular, M6, steel, zinc, per ISO 7089 | 8        |      |
| 3       | -----   | SCREW, socket, M6 x 16, zinc, class 12.9, per ISO 4762  | 4        |      |
| 4       | -----   | SCREW, socket, M6 x 65, zinc, class 12.9, per ISO 4762  | 2        |      |
| 5       | 1615647 | CHAIN, cable, 3.43 x 1.02, 27 links                     | 1        |      |
| 6       | -----   | COUPLER, disconnect, barb, pushlock, 3/8 tube           | 1        |      |
| 7       | 1616612 | HANGER, hose                                            | 1        |      |
| 8       | -----   | HOSE, -06, low pressure, synthetic, fiber, M2B          | 9.5 ft   |      |
| 9       | -----   | NIPPLE, disconnect, 1/4 T, 3/8 NPT female               | 1        |      |
| 10      | -----   | NIPPLE, pipe, schedule 40, 3/8 NPT, 18 in., galvanized  | 1        |      |
| 11      | -----   | SCREW, socket, M6 x 45, zinc, class 12.9, per ISO 4762  | 2        |      |
| 12      | -----   | BUSHING, pipe, hydraulic, 1/2 x 3/8, steel, zinc        | 1        |      |

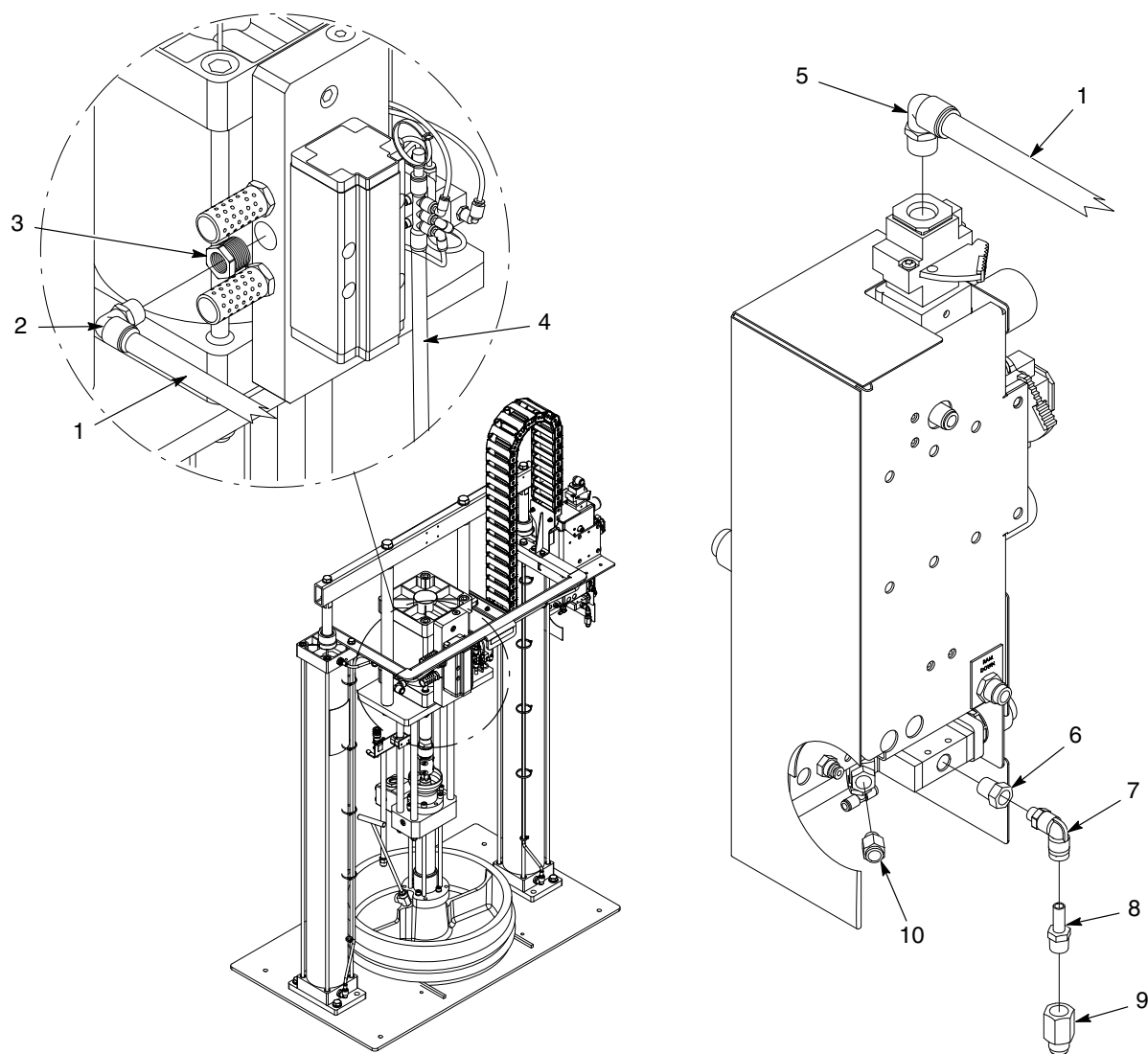


Figure 23 Module tuyaux pour petit/grand bâti avec moteur pneumatique SD3, 55 gallons, pneumatique (2 sur 2)

| Élément | P/N     | Description                                                | Quantité | Note |
|---------|---------|------------------------------------------------------------|----------|------|
| 1       | 1616612 | TUBE, 10 mm-OD, polyurethane, fire resistant, black        | 9 ft     |      |
|         | 1616613 | TUBE, 12 mm-OD, polyurethane, fire resistant, black        |          |      |
|         | 1615644 | TUBE, 16 mm-OD, polyurethane, fire resistant, black        |          |      |
| 2       | 1612106 | ELBOW, male, 10 mm T x R ¼, with seal, fire resistant      | 1        |      |
|         | 1100040 | CONNECTOR, male, elbow, 16 mm T x ½ RPT, with seal         |          |      |
| 3       | 1612505 | BUSHING, BSPT, pipe, hydraulic, ¾ x ½, steel, zinc         | 1        |      |
| 4       | 1616611 | TUBE, 8 mm-OD, polyurethane, fire resistant, black         | 9 ft     |      |
|         | 1612108 | ELBOW, male, 10 mm T x ½, with seal, fire resistant        |          |      |
|         | 1612109 | ELBOW, male, 12 mm T x ½, with seal, fire resistant        |          |      |
| 5       | 1100040 | CONNECTOR, male, elbow, 16 mm T x ½ RPT, with seal         | 1        |      |
|         |         |                                                            |          |      |
| 6       | -----   | BUSHING, pipe, hydraulic, ½ x ¾, steel, zinc               | 1        |      |
| 7       | -----   | ELBOW, male, 8 mm T x ¼ RPT                                | 1        |      |
| 8       | -----   | ADAPTER, 8 mm T x ¼ RPT                                    | 1        |      |
| 9       | 1616813 | CONNECTOR, male, 37, ¾ T x G ¼ female, steel               | 1        |      |
| 10      | 1610709 | CONNECTOR, male, restrict-flow, 8 mm T x R ⅛, 1.4 diameter | 1        |      |

## Module tuyaux pour petit/grand bâti avec moteur pneumatique SD2, 5 gallons et 55 gallons, pneumatique

Voir la figure 24-25 et la liste de pièces ci-après.

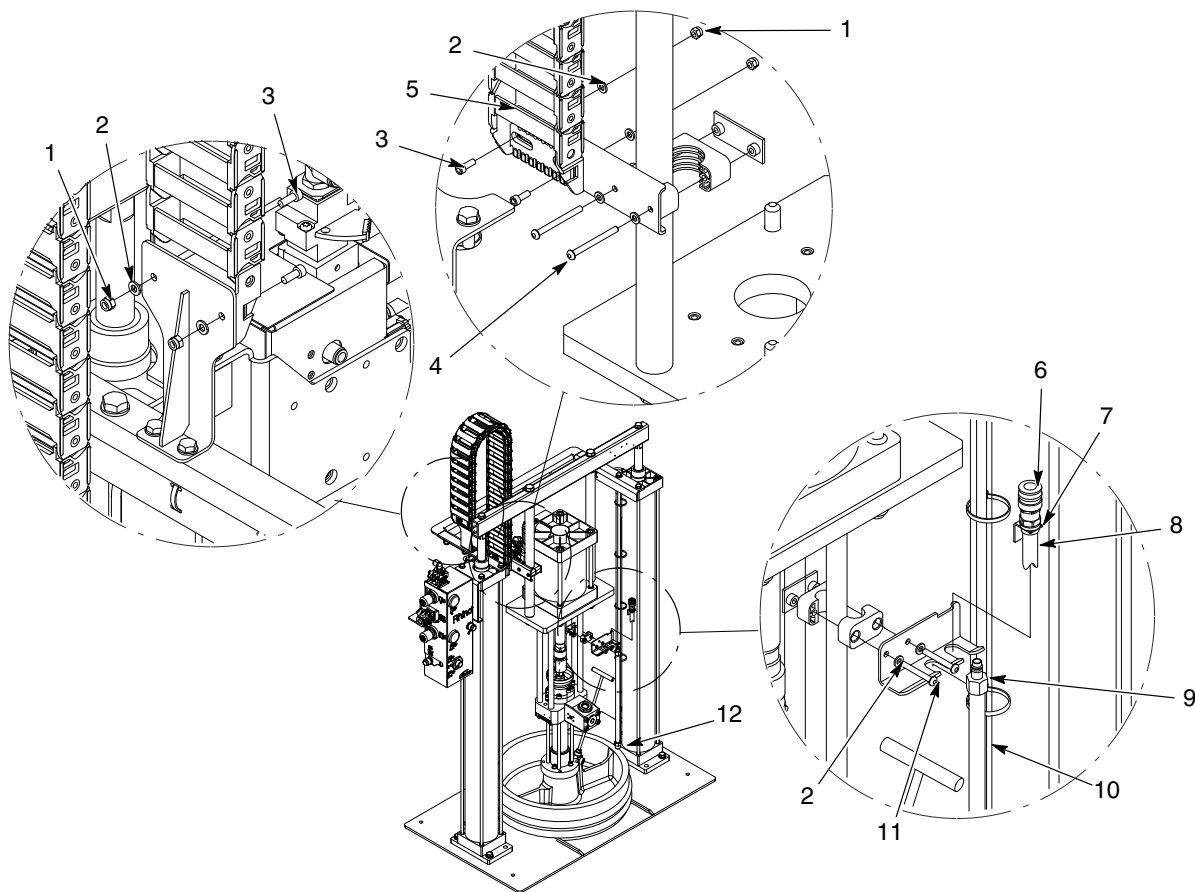


Figure 24 Module tuyaux pour petit/grand bâti avec moteur pneumatique SD2, 5 gallons et 55 gallons, pneumatique (1 sur 2)

| Élément | P/N     | Description                                             | Quantité | Note |
|---------|---------|---------------------------------------------------------|----------|------|
| 1       | -----   | NUT, lock, nylon, M6 steel, zinc, class 8, per ISO 7040 | 4        |      |
| 2       | -----   | WASHER, flat, M, regular, M6, steel, zinc, per ISO 7089 | 8        |      |
| 3       | -----   | SCREW, socket, M6 x 16, zinc, class 12.9, per ISO 4762  | 4        |      |
| 4       | -----   | SCREW, socket, M6 x 65, zinc, class 12.9, per ISO 4762  | 2        |      |
| 5       | 1615647 | CHAIN, cable, 3.43 x 1.02, 27 links                     | 1        |      |
| 6       | -----   | COUPLER, disconnect, barb, pushlock, 3/8 tube           | 1        |      |
| 7       | 1616612 | HANGER, hose                                            | 1        |      |
| 8       | -----   | HOSE, -06, low pressure, synthetic, fiber, M2B          | 9.5 ft   |      |
| 9       | -----   | NIPPLE, disconnect, 1/4 T, 3/8 NPT female               | 1        |      |
| 10      | -----   | NIPPLE, pipe, schedule 40, 3/8 NPT, 18 in., galvanized  | 1        |      |
| 11      | -----   | SCREW, socket, M6 x 45, zinc, class 12.9, per ISO 4762  | 2        |      |
| 12      | -----   | BUSHING, pipe, hydraulic, 1/2 x 3/8, steel, zinc        | 1        |      |

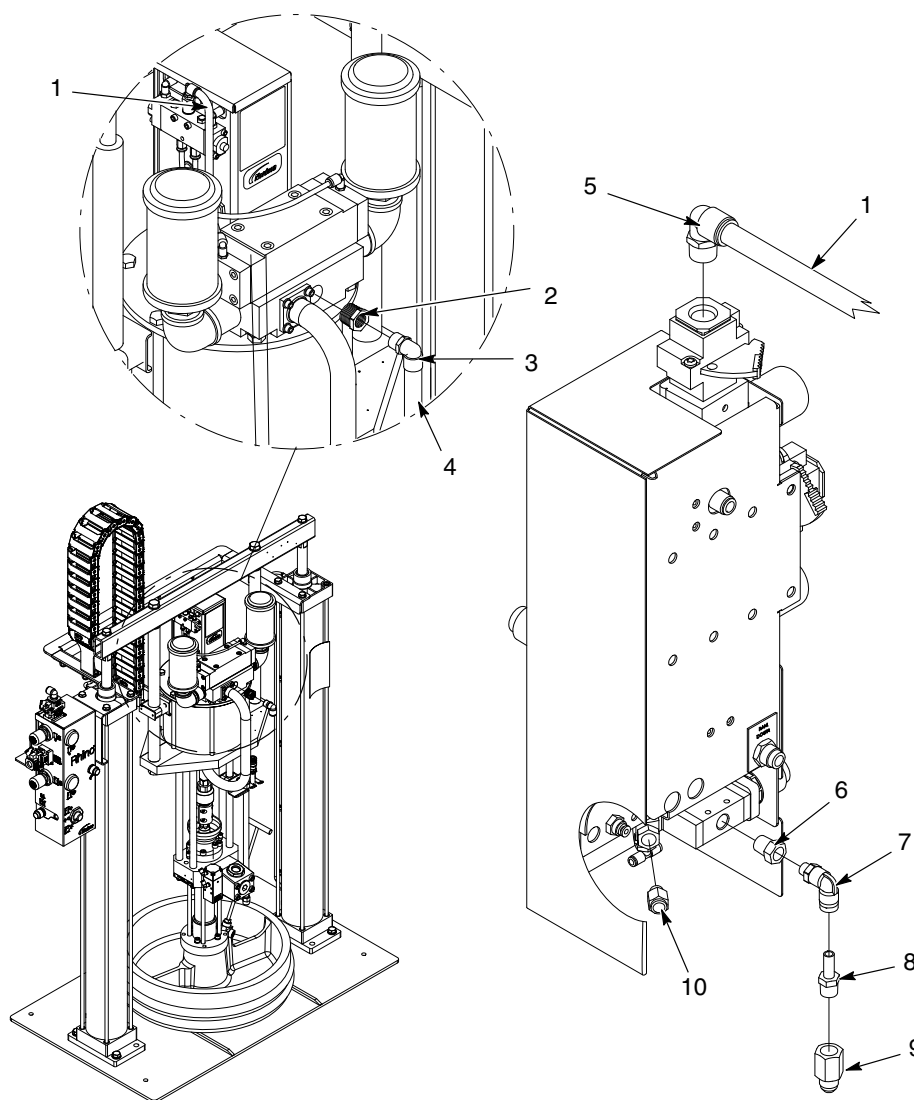


Figure 25 Module tuyaux pour petit/grand bâti avec moteur pneumatique SD2, 5 gallons et 55 gallons, pneumatique (2 sur 2)

| Élément | P/N     | Description                                                                 | Quantité | Note |
|---------|---------|-----------------------------------------------------------------------------|----------|------|
| 1       | 1616611 | TUBE, 8 mm-OD, polyurethane, fire resistant, black                          | 9 ft     |      |
| 2       | 1612505 | BUSHING, BSPT, pipe, hydraulic, $\frac{3}{4}$ x $\frac{1}{2}$ , steel, zinc | 1        |      |
| 3       | 1612106 | ELBOW, male, 10 mm T x R $\frac{1}{4}$ , with seal, fire resistant          | 1        |      |
|         | 1100040 | CONNECTOR, male, elbow, 16 mm T x $\frac{1}{2}$ RPT, with seal              |          |      |
| 4       | 1616612 | TUBE, 10 mm-OD, polyurethane, fire resistant, black                         | 9 ft     |      |
|         | 1616613 | TUBE, 12 mm-OD, polyurethane, fire resistant, black                         |          |      |
|         | 1615644 | TUBE, 16 mm-OD, polyurethane, fire resistant, black                         |          |      |
|         | 1612108 | ELBOW, male, 10 mm T x $\frac{1}{2}$ , with seal, fire resistant            |          |      |
| 5       | 1612109 | ELBOW, male, 12 mm T x $\frac{1}{2}$ , with seal, fire resistant            | 1        |      |
|         | 1100040 | CONNECTOR, male, elbow, 16 mm T x $\frac{1}{2}$ RPT, with seal              |          |      |
| 6       | -----   | BUSHING, pipe, hydraulic, $\frac{1}{2}$ x $\frac{3}{8}$ , steel, zinc       | 1        |      |
| 7       | -----   | ELBOW, male, 8 mm T x $\frac{1}{4}$ RPT                                     | 1        | A    |
|         | -----   | ELBOW, male, restrict-flow, 8 mm T x R $\frac{1}{8}$ , 1.7 diameter         |          | B    |
| 8       | -----   | ADAPTER, 8 mm T x $\frac{1}{4}$ RPT                                         | 1        |      |
| 9       | 1616813 | CONNECTOR, male, 37, $\frac{3}{8}$ T x G $\frac{1}{4}$ female, steel        | 1        |      |
| 10      | 1610709 | CONNECTOR, male, restrict-flow, 8 mm T x R $\frac{1}{8}$ , 1.4 diameter     | 1        |      |

REMARQUE A : Module de 55 gallons (200 l) seulement.

B: Module de 5 gallons (20 l) seulement.

## ***Consommables***

Adhésifs à utiliser selon les instructions sur les modules tuyaux.

| <b>P/N</b> | <b>Description</b>                                            |
|------------|---------------------------------------------------------------|
| 900481     | ADHESIVE, pipe/thread/hydraulic sealant (PST)                 |
| 900439     | ADHESIVE, Loctite <sup>®</sup> , 271, Red, Hi-Strength, 50 ml |