

Air Operated Double Diaphragm Pump

| REF. NO. | NDP-20BPC-D PART NO. | NDP-20BPE-D PART NO. | NDP-20BPH-D PART NO. | NDP-20BPN-D PART NO. | NDP-20BPS-D PART NO. | NDP-20BPV-D PART NO. | DESCRIPTION | QTY. | REORDER |
|-----------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------|------|---------|
| 1 | 640033 | 684116 | 640033 | 640033 | 684116 | 642033 | O RING | 8 | |
| 2 | 771216 | 771216 | 771216 | 771216 | 771216 | 771216 | BALL GUIDE | 4 | |
| 3 | 770705 | 770723 | 773126 | 770720 | 773170 | 770726 | BALL | 4 | |
| 4 | 780137 | 780137 | 780137 | 780137 | 780137 | 780137 | VALVE SEAT | 4 | |
| 6 | 772957 | 772959 | 771362 | 772958 | 771973 | 772960 | DIAPHRAGM | 2 | |
| 7 | 716225 | 716225 | 716225 | 716225 | 716225 | 716225 | CENTER DISK | 2 | |
| 8 | 716226 | 716226 | 716226 | 716226 | 716226 | 716226 | WASHER | 2 | |
| 9 | 780134 | 780134 | 780134 | 780134 | 780134 | 780134 | OUT CHAMBER | 2 | |
| 12 | - | - | 640151 | - | 640151 | - | O RING | 2 | |
| 13 | 710122 | 710122 | 710122 | 710122 | 710122 | 710122 | TIE ROD | 4 | |
| 14 | 621163 | 621163 | 621163 | 621163 | 621163 | 621163 | BOLT | 12 | |
| 15 | 804878 | 804878 | 804878 | 804878 | 804878 | 804878 | CENTER BODY ASSY. | 1 | |
| 15-1 | 715938 | 715938 | 715938 | 715938 | 715938 | 715938 | AIR CHAMBER | 2 | |
| 15-2 | 802360 | 802360 | 802360 | 802360 | 802360 | 802360 | PILOT VALVE ASSY. | 2 | |
| 15-3 | 771057 | 771057 | 771057 | 771057 | 771057 | 771057 | GASKET | 2 | |
| 15-4 | 640009 | 640009 | 640009 | 640009 | 640009 | 640009 | O RING | 2 | |
| 15-5 | 771945 | 771945 | 771945 | 771945 | 771945 | 771945 | PILOT VALVE SEAT | 2 | |
| 15-6 | 708666 | 708666 | 708666 | 708666 | 708666 | 708666 | SPRING | 2 | |
| 15-7 | 711503 | 711503 | 711503 | 711503 | 711503 | 711503 | BODY | 1 | |
| 15-8 | 685276 | 685276 | 685276 | 685276 | 685276 | 685276 | O RING | 2 | |
| 15-9 | 772703 | 772703 | 772703 | 772703 | 772703 | 772703 | THROAT BEARING | 2 | |
| 15-10 | 685414 | 685414 | 685414 | 685414 | 685414 | 685414 | V PACKING | 2 | |
| 15-11 | 682486 | 682486 | 682486 | 682486 | 682486 | 682486 | BOLT | 8 | |
| 16 | 710252 | 710252 | 710252 | 710252 | 710252 | 710252 | CENTER ROD | 1 | |
| 18 | 771054 | 771054 | 771054 | 771054 | 771054 | 771054 | CUSHION | 2 | |
| 19 | 780010 | 780010 | 780010 | 780010 | 780010 | 780010 | MANIFOLD | 2 | |
| 20 | 802809 | 802809 | 802809 | 802809 | 802809 | 802809 | AIR VALVE ASSY. | 1 | |
| 20-1 | 709161 | 709161 | 709161 | 709161 | 709161 | 709161 | RESET BUTTON | 1 | |
| 20-2 | 640005 | 640005 | 640005 | 640005 | 640005 | 640005 | O RING | 1 | |
| 20-3 | 684704 | 684704 | 684704 | 684704 | 684704 | 684704 | BOLT | 4 | |
| 20-4 | 771241 | 771241 | 771241 | 771241 | 771241 | 771241 | PACKING | 1 | |
| 20-5 | 715961 | 715961 | 715961 | 715961 | 715961 | 715961 | WASHER | 1 | |
| 20-6 | 802400 | 802400 | 802400 | 802400 | 802400 | 802400 | C SPOOL ASSY. | 1 | |
| 20-6 seal | 771053 | 771053 | 771053 | 771053 | 771053 | 771053 | SEAL RING | 5 | |
| 20-7 | 711219 | 711219 | 711219 | 711219 | 711219 | 711219 | CAP A | 1 | |
| 20-8 | 771240 | 771240 | 771240 | 771240 | 771240 | 771240 | GASKET | 2 | |
| 20-10 | 711640 | 711640 | 711640 | 711640 | 711640 | 711640 | VALVE BODY | 1 | |
| 20-11 | 803931 | 803931 | 803931 | 803931 | 803931 | 803931 | SLEEVE ASSY. | 1 | |
| 20-11-*1 | 771080 | 771080 | 771080 | 771080 | 771080 | 771080 | O RING | 6 | |
| 20-13 | 771914 | 771914 | 771914 | 771914 | 771914 | 771914 | CUSHION | 1 | |
| 20-15 | 711212 | 711212 | 711212 | 711212 | 711212 | 711212 | CAP B | 1 | |
| 20-16 | 682262 | 682262 | 682262 | 682262 | 682262 | 682262 | BOLT | 4 | |
| 21 | 682265 | 682265 | 682265 | 682265 | 682265 | 682265 | BOLT | 6 | |
| 22 | 686968 | 686968 | 686968 | 686968 | 686968 | 686968 | BALL VALVE | 1 | |
| 24 | 771056 | 771056 | 771056 | 771056 | 771056 | 771056 | GASKET | 1 | |
| 25 | 804697 | 804697 | 804697 | 804697 | 804697 | 804697 | MUFFLER | 1 | |
| 26 | 611151 | 611151 | 611151 | 611151 | 611151 | 611151 | BOLT | 4 | |
| 27 | 682276 | 682276 | 682276 | 682276 | 682276 | 682276 | NUT W/ FLANGE | 4 | |
| 28 | 771219 | 771219 | 771219 | 771219 | 771219 | 771219 | BASE | 2 | |
| 29 | 770551 | 770551 | 770551 | 770551 | 770551 | 770551 | FOOT RUBBER | 4 | |
| 30 | 780123 | 780123 | 780123 | 780123 | 780123 | 780123 | CENTER DISK | 2 | |
| 32 | 683635 | 683635 | 683635 | 683635 | 683635 | 683635 | NUT | 8 | |
| 33 | 681300 | 681300 | 681300 | 681300 | 681300 | 681300 | SPRING WASHER | 20 | |
| 34 | 631329 | 631329 | 631329 | 631329 | 631329 | 631329 | FLAT WASHER | 20 | |
| 35 | 771244 | 771244 | 771244 | 771244 | 771244 | 771244 | TOOL | 2 | |
| 36 | 20P-BUNG | 20P-BUNG | 20P-BUNG | 20P-BUNG | 20P-BUNG | 20P-BUNG | BUSHING | 1 | |
| 37 | 20P-BUSH | 20P-BUSH | 20P-BUSH | 20P-BUSH | 20P-BUSH | 20P-BUSH | NIPPLE | 1 | |
| 38 | 20P-ELBO | 20P-ELBO | 20P-ELBO | 20P-ELBO | 20P-ELBO | 20P-ELBO | ELBOW | 1 | |
| 39 | 20P-PIPE | 20P-PIPE | 20P-PIPE | 20P-PIPE | 20P-PIPE | 20P-PIPE | PIPE | 1 | |
| KIT | NDP-20PD | | | | | | DRUM PUMP KIT | | |
| KIT | K20-PC | K20-PE | K20-PH | K20-PN | K20-PS | K20-PV | LIQUID SIDE KIT | | |
| KIT | K225-AM | | | | | | AIR MOTOR KIT | | |

Air Operated Double Diaphragm Pump

General Tools:

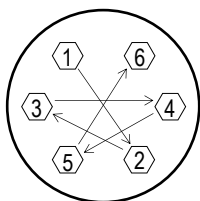
- Socket wrench - 10mm, 12mm, 13mm, 17mm, 22mm
- Hexagonal box wrenches - 5mm
- Open-end wrench - 13mm

Special Tools:

- Disk remover (771244) (included)
- Sleeve remover (713148) (sold separately)

Miscellaneous:

- Assembly Oil—turbine oil class 1 (equivalent to ISO VG32 grade)
- Nuts - M14x1.5
- Urea grease grade (NLGI) No. 2
- Lubricants equivalent to LOCTITE® Anti-Seize 767



Tightening Torques

| | |
|-------------------------|----------------------|
| Center Rod | 29 ft-lbf {40 N-m} |
| Out Chamber (C/E/N/V) | 8 ft-lbf {10 N-m} |
| Out Chamber (H/S) | 10 ft-lbf {13 N-m} |
| Manifold Retainer Bolts | 8 ft-lbf {10 N-m} |
| Valve Body Bolts | 5.5 ft-lbf {7.5 N-m} |
| Cap A, Cap B | 4.5 ft-lbf {6 N-m} |

Customer Notes

Model #: _____
 Description: _____
 Serial #: _____
 Date Installed: _____
 Department Location: _____
 Tag/Project: _____