

# EXPLODED VIEW & PARTS LISTING

## Air Operated Double Diaphragm pump

Model : NDP-P25BP.

**Yamada** Europe B.V.



Material: PPG (Reinforced Polypropylene)



### To Purchase:



0031 (0)74 242 2032



[sales@yamada.nl](mailto:sales@yamada.nl)

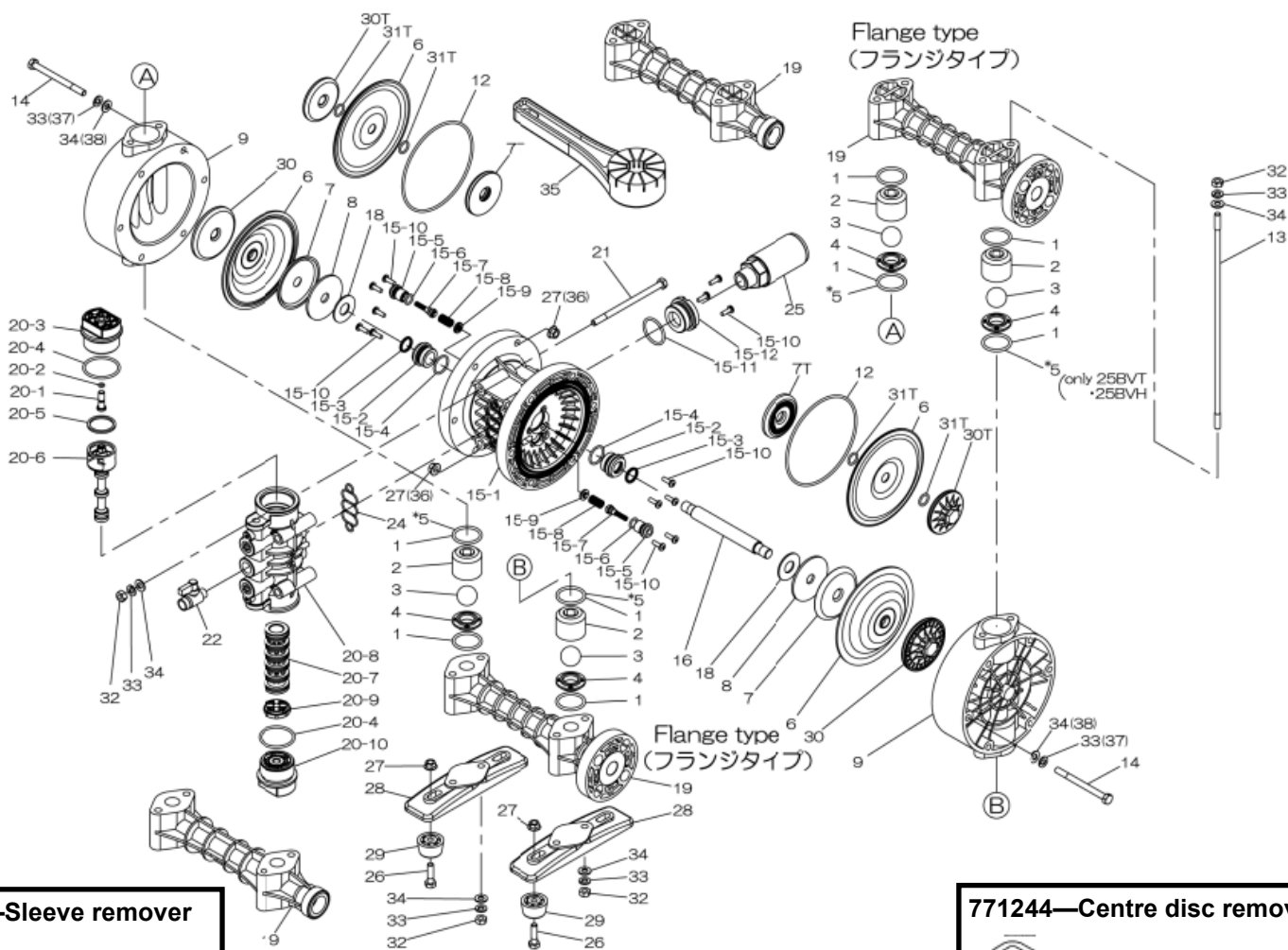
### More information:



YouTube: [@yamadapump](https://www.youtube.com/@yamadapump)



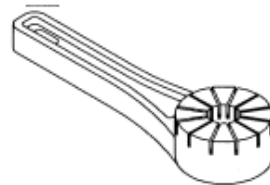
[yamada-europe.com](http://yamada-europe.com)



713148—Sleeve remover



771244—Centre disc remover



### Tighting torque for:

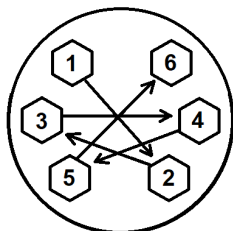
Center rod: 40 Nm  
Center rod TU: **Hand tight**  
Out chamber: 10/20 Nm  
Manifold: 10/12 Nm

### Special tools (sold seperately)

713148 Sleeve remover  
771244 Centre disc remover

### Miscellaneous:

Assembly oil: use turbine oil none additional class 1  
Equiv. to ISO VGA32 grade  
Use Urea grease grade NLGI No. 2



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## DIAPHRAGM

## Design #

|          |                 |       |             | CR        | NBR       | EPDM      | HYTREL    | SANTOPRENE | FPM       | PTFE       | PTFE-EPDM   |
|----------|-----------------|-------|-------------|-----------|-----------|-----------|-----------|------------|-----------|------------|-------------|
|          |                 |       |             | BPC       | BPN       | BPE       | BPH       | BPS        | BPV       | BPT        | BPTU        |
|          |                 |       |             | 854157    | 854158    | 854159    | 854162    | 854163     | 854160    | 854161     | YE Original |
| REF. No. | DESCRIPTION     | Q'TY. | Part No.    | Part No.  | Part No.  | Part No.  | Part No.  | Part No.   | Part No.  | Part No.   | Part No.    |
| 1        | O RING          | 8     | 640042      | 640042    | 684119    | 640042    | 684119    | 642042     | 643042    | 643042     |             |
| 2        | BALL GUIDE      | 4     | 771231      | 771231    | 771231    | 771231    | 771231    | 771231     | 771231    | 771231     | 771231      |
| 3        | BALL            | 4     | 770556      | 770581    | 770590    | 773127    | 773171    | 770599     | 770691    | 770691     | 770691      |
| 4        | VALVE SEAT      | 4     | 780138      | 780138    | 780138    | 780138    | 780138    | 780138     | 780138    | 780138     | 780138      |
| 6        | DIAPHRAGM       | 2     | 772961      | 772962    | 772963    | 771363    | 771974    | 772964     | 771110    | 832584     |             |
| 7        | CENTER DISK     | 2     | 716258      | 716258    | 716258    | 716258    | 716258    | 716258     | —         | —          |             |
| 7T       | CENTER DISK     | 2     | —           | —         | —         | —         | —         | —          | —         | 709459     | —           |
| 8        | WASHER          | 2     | 716259      | 716259    | 716259    | 716259    | 716259    | 716259     | —         | —          |             |
| 9        | OUT CHAMBER     | 2     | 780135      | 780135    | 780135    | 780135    | 780135    | 780135     | 780135    | 780135     | 780135      |
| 12       | O RING          | 2     | —           | —         | —         | 640154    | 640154    | —          | 640154    | 640154     |             |
| 13       | TIE ROD         | 4     | 710207      | 710207    | 710207    | 710207    | 710207    | 710207     | 710207    | 710207     | 710207      |
| 14       | BOLT            | 12    | 683541      | 683541    | 683541    | 683541    | 683541    | 683541     | 683541    | 683541     | 683541      |
| 15       | BODY ASSY       | 1     | 804604      | 804604    | 804604    | 804604    | 804604    | 804604     | 804604    | 804604     | 804604      |
| 16       | CENTER ROD      | 1     | 710271      | 710271    | 710271    | 710271    | 710271    | 710271     | 710271    | 710271     | 714812      |
| 18       | CUSHION         | 2     | 771054      | 771054    | 771054    | 771054    | 771054    | 771054     | 771054    | 771054     | 771054      |
| 19       | MANIFOLD        | 2     | 780011      | 780011    | 780011    | 780011    | 780011    | 780011     | 780011    | 780011     | 780011      |
| 20       | VALVE BODY ASSY | 1     | 804607      | 804607    | 804607    | 804607    | 804607    | 804607     | 804607    | 804607     | 804607      |
| 21       | BOLT            | 4     | 686031      | 686031    | 686031    | 686031    | 686031    | 686031     | 686031    | 686031     | 686031      |
| 22       | VALVE           | 1     | 686969      | 686969    | 686969    | 686969    | 686969    | 686969     | 686969    | 686969     | 686969      |
| 24       | GASKET          | 1     | 772848      | 772848    | 772848    | 772848    | 772848    | 772848     | 772848    | 772848     | 772848      |
| 25       | MUFFLER         | 1     | 804697      | 804697    | 804697    | 804697    | 804697    | 804697     | 804697    | 804697     | 804697      |
| 26       | BOLT            | 4     | 621153      | 621153    | 621153    | 621153    | 621153    | 621153     | 621153    | 621153     | 621153      |
| 27       | FLANGED NUT     | 4     | 686032      | 686032    | 686032    | 686032    | 686032    | 686032     | 686032    | 686032     | 686032      |
| 28       | BASE            | 2     | 771235      | 771235    | 771235    | 771235    | 771235    | 771235     | 771235    | 771235     | 771235      |
| 29       | RUBBER FOOT     | 4     | 770551      | 770551    | 770551    | 770551    | 770551    | 770551     | 770551    | 770551     | 770551      |
| 30       | CENTER DISK     | 2     | 780125      | 780125    | 780125    | 780125    | 780125    | 780125     | —         | 772620     |             |
| 30T      | CENTER DISK     | 2     | —           | —         | —         | —         | —         | —          | —         | 780126     | —           |
| 31T      | O RING          | 4     | —           | —         | —         | —         | —         | —          | —         | 643013     | —           |
| 32       | NUT             | 12    | 683635      | 683635    | 683635    | 683635    | 683635    | 683635     | 683635    | 683635     | 683635      |
| 33       | SPRING WASHER   | 12    | 681300      | 681300    | 681300    | 681300    | 681300    | 681300     | 681300    | 681300     | 681300      |
| 34       | PLAIN WASHER    | 12    | 631329      | 631329    | 631329    | 631329    | 631329    | 631329     | 631329    | 631329     | 631329      |
| 35       | SPECIAL TOOL    | 2     | 771244      | 771244    | 771244    | 771244    | 771244    | 771244     | 771244    | 771244     | 771244      |
| 36       | FLANGED NUT     | 12    | 686033      | 686033    | 686033    | 686033    | 686033    | 686033     | 686033    | 686033     | 686033      |
| 37       | SPRING WASHER   | 12    | 680257      | 680257    | 680257    | 680257    | 680257    | 680257     | 680257    | 680257     | 680257      |
| 38       | PLAIN WASHER    | 12    | 631330      | 631330    | 631330    | 631330    | 631330    | 631330     | 631330    | 631330     | 631330      |
| KIT      | DIAPHRAGM       |       | KP25D-PC    | K25D-PN   | K25D-PE   | K25D-PH   | K25D-PS   | K25D-PV    | K25D-PT   | K25D-PTU   |             |
| KIT      | VALVE           |       | K25V-PC     | K25V-PN   | K25V-PE   | K25V-PH   | K25V-PS   | K25V-PV    | K25V-PT   | K25V-PT    |             |
| KIT      | WET END REPAIR  |       | K25-PC-PP   | K25-PN-PP | K25-PE-PP | K25-PH-PP | K25-PS-PP | K25-PV-PP  | K25-PT-PP | K25-PTU-PP |             |
| KIT      | AIR MOTOR       |       | KP20/25-AM  |           |           |           |           |            |           |            |             |
| KIT      | AIR MOTOR SEAL  |       | KP20/25-AMS |           |           |           |           |            |           |            |             |

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DIAPHRAGM

Design #

|          |                         |       |             | CR       | NBR      | EPDM     | HYTREL   | SANTOPRENE | FPM      | PTFE     | PTFE-EPDM   |
|----------|-------------------------|-------|-------------|----------|----------|----------|----------|------------|----------|----------|-------------|
|          |                         |       |             | BPC      | BPN      | BPE      | BPH      | BPS        | BPV      | BPT      | BPTU        |
|          |                         |       |             | 854157   | 854158   | 854159   | 854162   | 854163     | 854160   | 854161   | YE Original |
| REF. No. | DESCRIPTION             | Q'TY. | Part No.    | Part No. | Part No. | Part No. | Part No. | Part No.   | Part No. | Part No. | Part No.    |
| 15- 1    | BODY                    | 1     | 772929      |          |          |          |          |            |          |          |             |
| *15- 2   | THROAT BEARING          | 2     | 772931      |          |          |          |          |            |          |          |             |
| 15- 3    | PACKING                 | 2     | 685414      |          |          |          |          |            |          |          |             |
| 15- 4    | O RING                  | 2     | 685276      |          |          |          |          |            |          |          |             |
| 15- 5    | VALVE SEAT              | 2     | 772932      |          |          |          |          |            |          |          |             |
| 15- 6    | O RING                  | 2     | 640009      |          |          |          |          |            |          |          |             |
| 15- 7    | PILOT VALVE ASSY        | 2     | 802360      |          |          |          |          |            |          |          |             |
| 15-7-1   | O RING SEAL PILOT VALVE | 2     | 771374      |          |          |          |          |            |          |          |             |
| 15- 8    | SPRING                  | 2     | 708666      |          |          |          |          |            |          |          |             |
| 15- 9    | SPRING SEAT             | 2     | 772948      |          |          |          |          |            |          |          |             |
| 15-10    | TAPPING SCREW           | 13    | 686030      |          |          |          |          |            |          |          |             |
| 15-11    | O RING                  | 1     | 640132      |          |          |          |          |            |          |          |             |
| 15-12    | BUSHING                 | 1     | 772933      |          |          |          |          |            |          |          |             |
| 20- 1    | RESET BUTTON            | 1     | 772991      |          |          |          |          |            |          |          |             |
| 20- 2    | O RING                  | 1     | 640002      |          |          |          |          |            |          |          |             |
| 20- 3    | CAP A                   | 1     | 772946      |          |          |          |          |            |          |          |             |
| 20- 4    | O RING                  | 2     | 640043      |          |          |          |          |            |          |          |             |
| 20- 5    | PACKING                 | 1     | 771241      |          |          |          |          |            |          |          |             |
| 20- 6    | C SPOOL ASSY            | 1     | 802400      |          |          |          |          |            |          |          |             |
| 20- 7    | SLEEVE ASSY             | 1     | 804609      |          |          |          |          |            |          |          |             |
| 20-7-1   | O RING                  | 6     | 686029      |          |          |          |          |            |          |          |             |
| 20- 8    | VALVE BODY ASSY         | 1     | 832902      |          |          |          |          |            |          |          |             |
| 20- 9    | CUSHION                 | 1     | 771914      |          |          |          |          |            |          |          |             |
| 20-10    | CAP B                   | 1     | 772947      |          |          |          |          |            |          |          |             |
| KIT      | AIR MOTOR               |       | KP20/25-AM  |          |          |          |          |            |          |          |             |
| KIT      | AIR MOTOR SEAL          |       | KP20/25-AMS |          |          |          |          |            |          |          |             |

! \* Throat bearing position 15-2, 772931 is only available as an assembly. Positions 15-2, 15-3 and 15-4. Article code 020931

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## Air Operated Double Diaphragm pump



MODEL : NDP-P25BP.

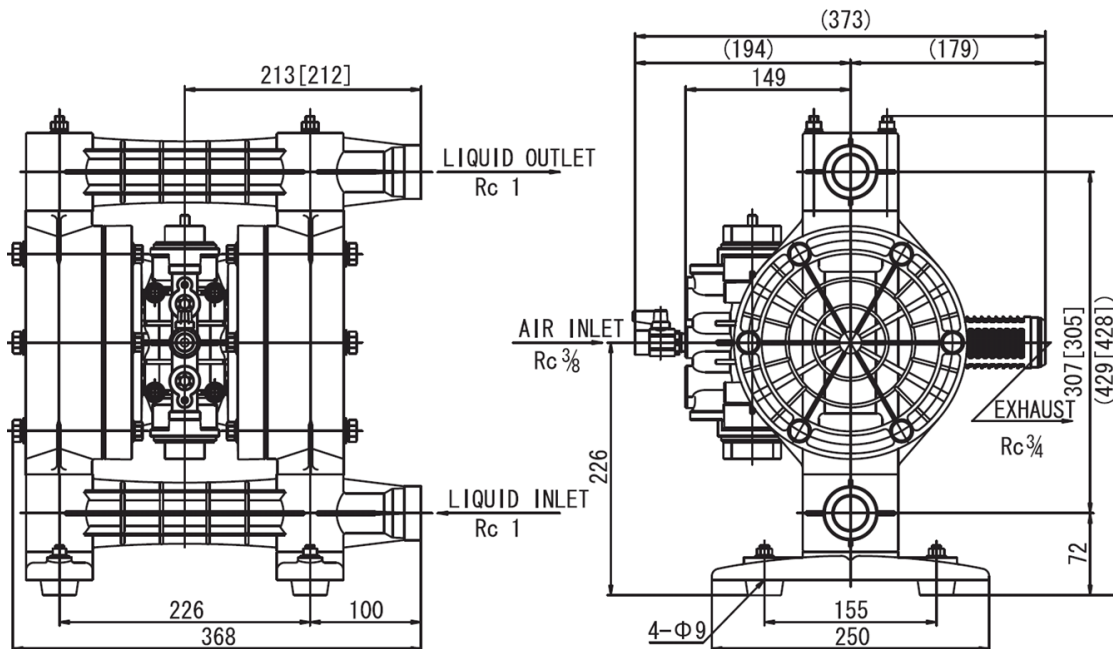
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**Yamada** Europe B.V.



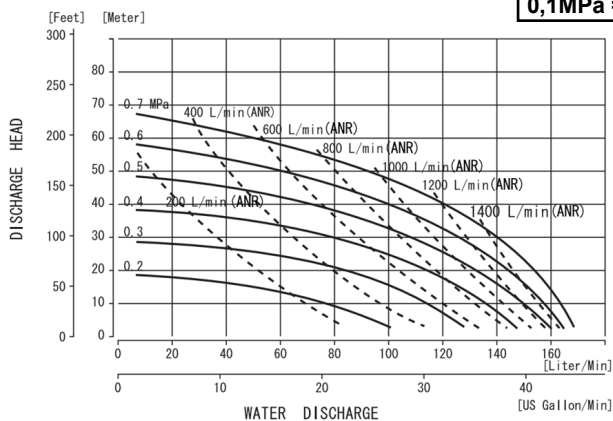
Material: PPG (Reinforced Polypropylene)

| Diaphragm options   | CR, NBR, EPDM, FPM, TPEE, TPO | PTFE      | TU        |
|---------------------|-------------------------------|-----------|-----------|
| Max performance     | 160 L/min                     | 150 L/min | 140 L/min |
| Manifold connection | Rc 1"                         |           |           |
| Net Weight          | 10,9 kg                       |           |           |

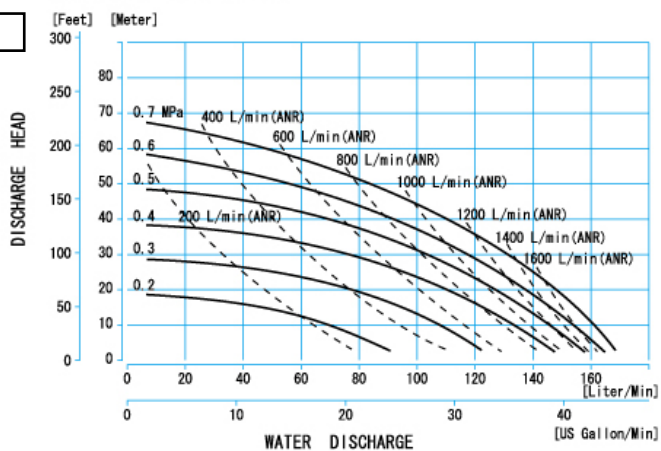


■ NDP-P25BA□/BS□/BP□/BV□

0,1MPa = 1Bar



NDP-25BPT, BVT flange



NDP-P24BPTU

