



NDL Industries

Filter Driers Product Guide

High-Quality HVAC-R Components for Commercial,
Industrial, and Residential Applications





Filter Driers

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Filter Driers

Unlocking Unmatched System Efficiency with Superior Filtration

- Uniquely designed for the complete protection of refrigeration systems.
- Captures solid contaminants, adsorbs moisture and acid, and prevents ice formation on the orifice of the expansion valve.
- NDL filter driers feature liquid line, bi-flow, suction line, and replaceable core shells. Sweat, flare, and press-fit ends and sight glass options are available.
- Uses XH11 desiccant with activated alumina and charcoal, and are suitable for all refrigerants, including R410A.
- A patented solution to reduce warranty repair costs and reduce service callbacks. TW filter driers with spectrolite AR-GLO uses fluorescent dye trace wafer to pinpoint the exact location of leaks. It is approved by all leading compressor and refrigeration equipment manufacturers. The dye is compatible with all refrigerants to provide complete protection for 6-ton* air conditioning systems. Inspections can be completed with the system running, eliminating downtime.

Certifications and Approvals

- CE
- CRN Approved (NCH)
- UL Certified (NMH, NMHSG, NCH, NCHSF, NCHBF)

Symbols

- SAE** SAE Male threaded connection
- ODF** Outer Diameter Female connection to receive copper tube diameter
- ORFS** Male threaded connection O-Ring Face Seal (Rotalock)
- O-Ring** O-Ring Flare connection
- Press** Connections compatible with copper press fittings





Solid Core Liquid Line Filter Driers (ODF)

| PART # | OD - DESCRIPTION | BOX QTY | WT (LB) | WT (G) |
|----------|---------------------------------|---------|---------|--------|
| NCH-032S | 1/4" Liquid Line Filter Drier | EA | 0.243 | 110.0 |
| NCH-033S | 3/8" Liquid Line Filter Drier | EA | 0.463 | 210.0 |
| NCH-052S | 1/4" Liquid Line Filter Drier | EA | 1.058 | 480.0 |
| NCH-053S | 3/8" Liquid Line Filter Drier | EA | 0.926 | 420.0 |
| NCH-082S | 1/4" Liquid Line Filter Drier | EA | 1.191 | 540.0 |
| NCH-083S | 3/8" Liquid Line Filter Drier | EA | 1.345 | 610.0 |
| NCH-084S | 1/2" Liquid Line Filter Drier | EA | 1.235 | 560.0 |
| NCH-163S | 3/8" Liquid Line Filter Drier | EA | 1.627 | 738.0 |
| NCH-164S | 1/2" Liquid Line Filter Drier | EA | 1.609 | 730.0 |
| NCH-165S | 5/8" Liquid Line Filter Drier | EA | 1.682 | 763.0 |
| NCH-303S | 3/8" Liquid Line Filter Drier | EA | 3.351 | 1520.0 |
| NCH-304S | 1/2" Liquid Line Filter Drier | EA | 3.307 | 1500.0 |
| NCH-305S | 5/8" Liquid Line Filter Drier | EA | 3.263 | 1480.0 |
| NCH-306S | 3/4" Liquid Line Filter Drier | EA | 3.219 | 1460.0 |
| NCH-307S | 7/8" Liquid Line Filter Drier | EA | 3.483 | 1580.0 |
| NCH-309S | 1-1/8" Liquid Line Filter Drier | EA | 3.726 | 1690.0 |
| NCH-414S | 1/2" Liquid Line Filter Drier | EA | 4.564 | 2070.0 |
| NCH-415S | 5/8" Liquid Line Filter Drier | EA | 4.564 | 2070.0 |
| NCH-417S | 7/8" Liquid Line Filter Drier | EA | 4.872 | 2210.0 |
| NCH-419S | 1-1/8" Liquid Line Filter Drier | EA | 4.850 | 2200.0 |

Solid Core Liquid Line Filter Driers (SAE)

| PART # | OD - DESCRIPTION | BOX QTY | WT (LB) | WT (G) |
|--------------|-------------------------------|---------|---------|--------|
| NCH-032F | 1/4" Liquid Line Filter Drier | EA | 0.309 | 140.0 |
| NCH-032F-M*F | 1/4" Liquid Line Filter Drier | EA | 0.467 | 212.0 |
| NCH-033F | 3/8" Liquid Line Filter Drier | EA | 0.419 | 190.0 |
| NCH-052F | 1/4" Liquid Line Filter Drier | EA | 1.014 | 460.0 |
| NCH-053F | 3/8" Liquid Line Filter Drier | EA | 1.168 | 530.0 |
| NCH-082F | 1/4" Liquid Line Filter Drier | EA | 1.257 | 570.0 |
| NCH-083F | 3/8" Liquid Line Filter Drier | EA | 1.455 | 660.0 |
| NCH-084F | 1/2" Liquid Line Filter Drier | EA | 1.477 | 670.0 |





Solid Core Liquid Line Filter Driers (SAE) - Continued

| PART # | OD - DESCRIPTION | BOX QTY | WT (LB) | WT (G) |
|----------|-------------------------------|---------|---------|--------|
| NCH-163F | 3/8" Liquid Line Filter Drier | EA | 1.720 | 780.0 |
| NCH-164F | 1/2" Liquid Line Filter Drier | EA | 1.631 | 740.0 |
| NCH-165F | 5/8" Liquid Line Filter Drier | EA | 1.676 | 760.0 |
| NCH-303F | 3/8" Liquid Line Filter Drier | EA | 3.483 | 1580.0 |
| NCH-304F | 1/2" Liquid Line Filter Drier | EA | 3.417 | 1550.0 |
| NCH-305F | 5/8" Liquid Line Filter Drier | EA | 3.417 | 1550.0 |
| NCH-306F | 3/4" Liquid Line Filter Drier | EA | 3.792 | 1720.0 |
| NCH-414F | 1/2" Liquid Line Filter Drier | EA | 4.674 | 2120.0 |
| NCH-415F | 5/8" Liquid Line Filter Drier | EA | 4.520 | 2050.0 |



Press Compatible Solid Core Liquid Line Filter Driers (ODF)

| PART # | OD - DESCRIPTION | BOX QTY | WT (LB) | WT (G) |
|-----------|--|---------|---------|--------|
| NCH-083-Z | 3/8" Press Compatible Liquid Line Filter Drier | EA | 1.345 | 610.1 |
| NCH-163-Z | 3/8" Press Compatible Liquid Line Filter Drier | EA | 1.627 | 738.0 |



Beaded Core Liquid Line Filter Driers (ODF)

| PART # | OD - DESCRIPTION | BOX QTY | WT (LB) | WT (G) |
|----------|-------------------------------|---------|---------|--------|
| NMH-032S | 1/4" Liquid Line Filter Drier | EA | 0.375 | 170.0 |
| NMH-033S | 3/8" Liquid Line Filter Drier | EA | 0.375 | 170.0 |
| NMH-052S | 1/4" Liquid Line Filter Drier | EA | 0.992 | 450.0 |
| NMH-053S | 3/8" Liquid Line Filter Drier | EA | 1.058 | 480.0 |
| NMH-082S | 1/4" Liquid Line Filter Drier | EA | 1.257 | 570.0 |
| NMH-083S | 3/8" Liquid Line Filter Drier | EA | 1.168 | 530.0 |
| NMH-084S | 1/2" Liquid Line Filter Drier | EA | 1.235 | 560.0 |
| NMH-163S | 3/8" Liquid Line Filter Drier | EA | 1.455 | 660.0 |
| NMH-164S | 1/2" Liquid Line Filter Drier | EA | 1.499 | 680.0 |
| NMH-165S | 5/8" Liquid Line Filter Drier | EA | 1.499 | 680.0 |
| NMH-303S | 3/8" Liquid Line Filter Drier | EA | 3.087 | 1400.0 |



Beaded Core Liquid Line Filter Driers (ODF) - Continued

| PART # | OD - DESCRIPTION | BOX QTY | WT (LB) | WT (G) |
|----------|---------------------------------|---------|---------|--------|
| NMH-304S | 1/2" Liquid Line Filter Drier | EA | 3.131 | 1420.0 |
| NMH-305S | 5/8" Liquid Line Filter Drier | EA | 3.197 | 1450.0 |
| NMH-306S | 3/4" Liquid Line Filter Drier | EA | 2.976 | 1350.0 |
| NMH-307S | 7/8" Liquid Line Filter Drier | EA | 3.199 | 1451.0 |
| NMH-309S | 1-1/8" Liquid Line Filter Drier | EA | 3.351 | 1520.0 |
| NMH-415S | 5/8" Liquid Line Filter Drier | EA | 4.101 | 1860.0 |
| NMH-417S | 7/8" Liquid Line Filter Drier | EA | 4.101 | 1860.0 |
| NMH-757S | 7/8" Liquid Line Filter Drier | EA | 6.945 | 3150.0 |

Beaded Core Liquid Line Filter Driers (SAE)

| PART # | OD - DESCRIPTION | BOX QTY | WT (LB) | WT (G) |
|----------|-------------------------------|---------|---------|--------|
| NMH-032F | 1/4" Liquid Line Filter Drier | EA | 0.441 | 200.0 |
| NMH-052F | 1/4" Liquid Line Filter Drier | EA | 1.014 | 460.0 |
| NMH-053F | 3/8" Liquid Line Filter Drier | EA | 1.168 | 530.0 |
| NMH-082F | 1/4" Liquid Line Filter Drier | EA | 1.294 | 587.0 |
| NMH-083F | 3/8" Liquid Line Filter Drier | EA | 1.389 | 630.0 |
| NMH-084F | 1/2" Liquid Line Filter Drier | EA | 1.433 | 650.0 |
| NMH-163F | 3/8" Liquid Line Filter Drier | EA | 1.609 | 730.0 |
| NMH-164F | 1/2" Liquid Line Filter Drier | EA | 1.676 | 760.0 |
| NMH-165F | 5/8" Liquid Line Filter Drier | EA | 1.720 | 780.0 |
| NMH-303F | 3/8" Liquid Line Filter Drier | EA | 3.307 | 1500.0 |
| NMH-304F | 1/2" Liquid Line Filter Drier | EA | 3.219 | 1460.0 |
| NMH-305F | 5/8" Liquid Line Filter Drier | EA | 3.329 | 1510.0 |
| NMH-415F | 5/8" Liquid Line Filter Drier | EA | 4.431 | 2010.0 |

Straight Tube Liquid Line Filter Driers (ODF)

| PART # | OD - DESCRIPTION | BOX QTY | WT (LB) | WT (G) |
|-----------|--|---------|---------|--------|
| NMH-083-Z | 3/8" Liquid Line Filter Drier (Straight Tube) | EA | 1.396 | 633.0 |



Straight Tube Liquid Line Filter Driers (ODF) - Continued

| PART # | OD - DESCRIPTION | BOX QTY | WT (LB) | WT (G) |
|-----------|---|---------|---------|--------|
| NMH-163-Z | 3/8" Liquid Line Filter Drier (Straight Tube) | EA | 1.324 | 600.6 |

Liquid Line Filter Driers 1/4" Stubs

| PART # | OD - DESCRIPTION | BOX QTY | WT (LB) | WT (G) |
|-----------|---|---------|---------|--------|
| NMH-1.52S | 1.5" cu Liquid Line Filter Drier 1/4" Stubs | EA | - | - |



3/8" Combo Filter Driers with Sight Glass

| PART # | OD - DESCRIPTION | BOX QTY | WT (LB) | WT (G) |
|------------|--|---------|---------|--------|
| NMHSG-083S | 3/8" Combo Filter Drier with Sight Glass | EA | 1.164 | 528.0 |
| NMHSG-163S | 3/8" Combo Filter Drier with Sight Glass | EA | 2.039 | 925.0 |

Filter Driers Ftg. on Inlet Side (1/4" Stub)

| PART # | OD - DESCRIPTION | BOX QTY | WT (LB) | WT (G) |
|-------------|--|---------|---------|--------|
| NMHSV-1.52 | 1.5" cu Filter Drier (no access) Ftg on Inlet Side 1/4" stub | EA | - | - |
| NMHSV-1.52S | 1.5" cu Filter Drier with access Ftg on Inlet Side 1/4" stub | EA | - | - |

Filter Driers Ftg. on Inlet Side (1/4" Stub)

| PART # | OD - DESCRIPTION | BOX QTY | WT (LB) | WT (G) |
|-------------|--|---------|---------|--------|
| NAH-1.52S | 1.5" cu Filter Drier (no access) Ftg on Inlet Side 1/4" Stub | EA | - | - |
| NAHSV-1.52S | 1.5" cu Filter Drier with access Ftg on Inlet Side 1/4" Stub | EA | - | - |





Solid Core Bi-Flow Filter Driers (ODF)

| PART # | OD - DESCRIPTION | BOX QTY | WT (LB) | WT (G) |
|------------|-----------------------------|---------|---------|--------|
| NCHBF-052S | 1/4" Bi-Flow Filter Drier | EA | 1.435 | 651.0 |
| NCHBF-053S | 3/8" Bi-Flow Filter Drier | EA | 0.972 | 441.0 |
| NCHBF-082S | 1/4" Bi-Flow Filter Drier | EA | 1.213 | 550.0 |
| NCHBF-083S | 3/8" Bi-Flow Filter Drier | EA | 1.202 | 545.0 |
| NCHBF-084S | 1/2" Bi-Flow Filter Drier | EA | 1.257 | 570.0 |
| NCHBF-163S | 3/8" Bi-Flow Filter Drier | EA | 1.918 | 870.0 |
| NCHBF-164S | 1/2" Bi-Flow Filter Drier | EA | 2.088 | 947.0 |
| NCHBF-165S | 5/8" Bi-Flow Filter Drier | EA | 1.982 | 899.0 |
| NCHBF-303S | 3/8" Bi-Flow Filter Drier | EA | 3.505 | 1590.0 |
| NCHBF-304S | 1/2" Bi-Flow Filter Drier | EA | 3.505 | 1590.0 |
| NCHBF-305S | 5/8" Bi-Flow Filter Drier | EA | 3.505 | 1590.0 |
| NCHBF-306S | 3/4" Bi-Flow Filter Drier | EA | 3.505 | 1590.0 |
| NCHBF-307S | 7/8" Bi-Flow Filter Drier | EA | 3.505 | 1590.0 |
| NCHBF-309S | 1-1/8" Bi-Flow Filter Drier | EA | 3.505 | 1590.0 |

Solid Core Bi-Flow Filter Driers (SAE)

| PART # | OD - DESCRIPTION | BOX QTY | WT (LB) | WT (G) |
|------------|---------------------------|---------|---------|--------|
| NCHBF-052F | 1/4" Bi-Flow Filter Drier | EA | 1.435 | 651.0 |
| NCHBF-053F | 3/8" Bi-Flow Filter Drier | EA | 1.435 | 651.0 |
| NCHBF-082F | 1/4" Bi-Flow Filter Drier | EA | 1.257 | 570.0 |
| NCHBF-083F | 3/8" Bi-Flow Filter Drier | EA | 1.279 | 580.0 |
| NCHBF-084F | 1/2" Bi-Flow Filter Drier | EA | 1.841 | 835.0 |
| NCHBF-163F | 3/8" Bi-Flow Filter Drier | EA | 1.962 | 890.0 |
| NCHBF-164F | 1/2" Bi-Flow Filter Drier | EA | 2.315 | 1050.0 |
| NCHBF-165F | 5/8" Bi-Flow Filter Drier | EA | 2.088 | 947.0 |
| NCHBF-303F | 3/8" Bi-Flow Filter Drier | EA | 3.505 | 1590.0 |
| NCHBF-304F | 1/2" Bi-Flow Filter Drier | EA | 3.505 | 1590.0 |
| NCHBF-305F | 5/8" Bi-Flow Filter Drier | EA | 3.505 | 1590.0 |
| NCHBF-306F | 3/4" Bi-Flow Filter Drier | EA | 3.505 | 1590.0 |





Press Compatible Solid Core Bi-Flow Filter Driers (ODF)

| PART # | OD - DESCRIPTION | BOX QTY | WT (LB) | WT (G) |
|-------------|--|---------|---------|--------|
| NCHBF-083-Z | 3/8" Bi-Flow Filter Drier (Press Compatible) | EA | 1.246 | 565.2 |
| NCHBF-163-Z | 3/8" Bi-Flow Filter Drier (Press Compatible) | EA | 2.167 | 982.9 |



Solid Core Suction Line Filter Driers (ODF)

| PART # | OD - DESCRIPTION | BOX QTY | WT (LB) | WT (G) |
|------------|----------------------------------|---------|---------|--------|
| NCHSF-082S | 1/4" Suction Line Filter Drier | EA | 1.510 | 685.0 |
| NCHSF-084S | 1/2" Suction Line Filter Drier | EA | 1.213 | 550.0 |
| NCHSF-163S | 3/8" Suction Line Filter Drier | EA | 1.676 | 760.0 |
| NCHSF-164S | 1/2" Suction Line Filter Drier | EA | 1.676 | 760.0 |
| NCHSF-165S | 5/8" Suction Line Filter Drier | EA | 1.676 | 760.0 |
| NCHSF-166S | 3/4" Suction Line Filter Drier | EA | 1.795 | 814.0 |
| NCHSF-167S | 7/8" Suction Line Filter Drier | EA | 1.499 | 680.0 |
| NCHSF-306S | 3/4" Suction Line Filter Drier | EA | 3.395 | 1540.0 |
| NCHSF-307S | 7/8" Suction Line Filter Drier | EA | 3.792 | 1720.0 |
| NCHSF-309S | 1-1/8" Suction Line Filter Drier | EA | 4.189 | 1900.0 |
| NCHSF-419S | 1-1/8" Suction Line Filter Drier | EA | 4.899 | 2222.0 |

Suction Line Filter Driers (SAE)

| PART # | OD - DESCRIPTION | BOX QTY | WT (LB) | WT (G) |
|------------|--------------------------------|---------|---------|--------|
| NCHSF-165F | 5/8" Suction Line Filter Drier | EA | 1.940 | 880.0 |



Series Replaceable Core Shells

| PART # | OD - DESCRIPTION | BOX QTY | WT (LB) | WT (G) |
|-----------|--|---------|---------|--------|
| NRC-4811S | 1-3/8" NRC Series Replaceable Core Shell | EA | 10.472 | 4750.0 |
| NRC-4813S | 1-5/8" NRC Series Replaceable Core Shell | EA | 10.582 | 4800.0 |





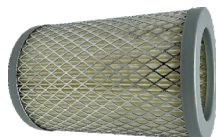
Series Replaceable Core Shells - *Continued*

| PART # | OD - DESCRIPTION | BOX QTY | WT (LB) | WT (G) |
|-----------|--|---------|---------|--------|
| NRC-4817S | 2-1/8" NRC Series Replaceable Core Shell | EA | 10.803 | 4900.0 |
| NRC-485S | 5/8" NRC Series Replaceable Core Shell | EA | 10.141 | 4600.0 |
| NRC-487S | 7/8" NRC Series Replaceable Core Shell | EA | 10.472 | 4750.0 |
| NRC-489S | 1-1/8" NRC Series Replaceable Core Shell | EA | 10.472 | 4750.0 |
| NRC-9611S | 1-3/8" NRC Series Replaceable Core Shell | EA | 13.669 | 6200.0 |
| NRC-9617S | 2-1/8" NRC Series Replaceable Core Shell | EA | 13.669 | 6200.0 |
| NRC-969S | 1-1/8" NRC Series Replaceable Core Shell | EA | 13.669 | 6200.0 |



Burn Out Clean Up Cores

| PART # | OD - DESCRIPTION | BOX QTY | WT (LB) | WT (G) |
|--------|-------------------------------|---------|---------|--------|
| NB-48 | 48" cu Burn Out Clean Up Core | EA | 1.786 | 810.1 |



High Moisture Capacity Cores

| PART # | OD - DESCRIPTION | BOX QTY | WT (LB) | WT (G) |
|--------|---|---------|---------|--------|
| NC-48 | 48" cu High Moisture Capacity Core 100% Molecular Sieves | EA | - | - |



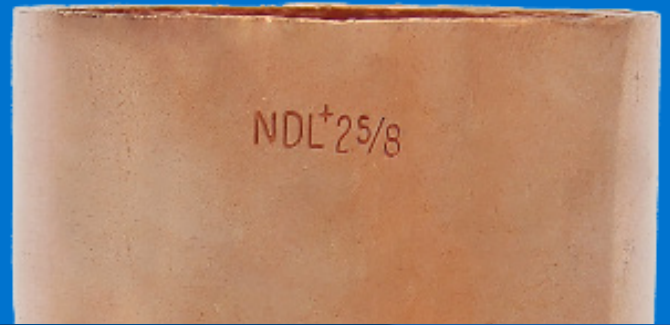
Standard Moisture Capacity Core

| PART # | OD - DESCRIPTION | BOX QTY | WT (LB) | WT (G) |
|--------|--|---------|---------|--------|
| NA-48 | 48" cu Standard Moisture Capacity Core | EA | 1.654 | 750.0 |



QUALITY STAMP

Only after our products pass strict and rigorous quality tests will the NDL name be stamped on them. The NDL Quality Stamp is our seal of approval that our products can be trusted in the field.



We Focus on Quality and Service So You Can Install with Confidence.

Since 1998, our mission has been to stay ahead of the curve as an industry leader in the HVAC, Refrigeration, and Hydronic markets. We have achieved this over the years by heavily emphasizing quality, innovation, and maintaining a global team of experienced professionals to deliver top-notch service. We continue to hold ourselves to the highest standards, never sacrificing the quality of our products or the commitment to our customers that has made us the company we are today.

What you can expect from us:

- Fast order turnaround
- Real-time order communications
- Field-experienced sales and technical support
- Parts packaged in contractor-friendly sized bags
- High-quality control standards for superior fit and finish



Global Team with Fast Order Turnaround

With distribution centers strategically located worldwide, we ensure fast order fulfillment while maintaining the exceptional customer service that has earned us our trusted reputation.

Locations:

- Southaven, Mississippi (United States)
- Vancouver, British Columbia (Canada)
- Milton Keynes, Buckinghamshire (Europe)



Explore our full line of high-quality HVAC-R, CO₂ Refrigeration, and Hydronic products.

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