




REPLACEMENT HYDAC FILTER ELEMENT

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Hebei Sinft Filter Co., Ltd.

BRIEF INTRODUCTION OF ENTERPRISE

HISTORY

Sinft is located in Shijiazhuang City, Hebei Province, covering 26,658m². We was established in 2007, Now we has become an excellent manufacturer of brand-compatible spare parts in the industrial filtration with 13 years of experience accumulation and precipitation .

01 PRODUCT CATEGORY

PRODUCT CATEGORY

- High Pressure Filter Elements
- Low Pressure Filter Elements)
- Hydraulic Filter Elements
- Stainless Steel Filter Elements
- Pipeline Basket Strainer (simplex&Duplex)
- Replacement filter elements for over 200brands

02 VISION & MISSION

VISION & MISSION

Sinft vision: High-quality, future-proof products and solutions with customer service for any need at any time. Everything we do starts with a specific need which represents our true mission. It drivies us to continuously improve and build trust with our customers.

CERTIFICATION



CONTENT



REPLACEMENT HYDAC FILTER ELEMENTS - TYPE D FOR PRESSURE FILTERS



REPLACEMENT HYDAC FILTER ELEMENTS - TYPE R FOR RETURN LINE FILTERS

PRODUCT LINE

OPTIMICRON® SERIES - ENERGY EFFICIENT FILTRATION

- "D" Pressure Elements Model Code
- "R" Return Elements Model Code

BETAMICRON® SERIES - HIGH PRESSURE AND RETURN FILTER ELEMENTS

- "D / DN" Pressure Elements Model Code
- "R / RN" Return Elements Model Code

HYDAC FILTER ELEMENTS - TYPE D FOR PRESSURE FILTERS

APPLICATION

Type "D" pressure line elements are used in the filters series DF, DFF, DFG, DFP, DFZ, DFDK, LF, MDF



FEATURES

- Flow direction: From outside to inside
- High dirt holding capacities
- Great cost to value ratio
- High efficiency absolute ratings
- Please note that there is an ongoing conversion from Betamicron® (BN4HC / BH4HC) to Optimicron® (ON)

GENERAL FUNCTION

- Line filter element has a 3 stage structure which ensures maximum contamination retention and filtration performance.
- An additional drainage layer directs the fluid flow with optimal efficiency, achieving particularly favourable $\Delta p/Q$ characteristics. An innovative bonding process used for the longitudinal seam guarantees that the cut ends of the mesh pack remain completely sealed even under high load variations. This eliminates the possibility of particles crossing from the contaminated to the clean side. The metal tube which forms a stable core inside the element is constructed as a spiral lock seam tube. This provides consistent stability and a significant reduction in element weight.

PRODUCT ADVANTAGES

- Hydac "D" Type pressure line filters offer a superior level of optimization of separation efficiency, service life and differential pressure versus flow rate. As a complete element package, the innovative characteristics of this technology have a very positive impact on the differential pressure of the elements and a high degree of filtration efficiency and performance.

OPTIMICRON® SERIES -"D" PRESSURE ELEMENTS

DESCRIPTION

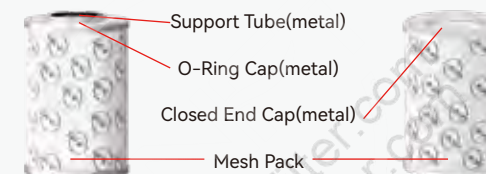
- Optimicron® Elements
- ON - code designation
- Glass fiber, multi-layered with support
- Collapse rating - 290 psid (20 bar)
- 1, 3, 5, 10, 15, 20 micron
- Filtration Rating $\beta_{x(c)} \geq 1000$
- Depth Filtration
- Pressure and Return elements available
- Disposable - single use element
- Plastic outerwrap

PRODUCT PHOTO



PRODUCT STRUCTURE

Optimicron® Pressure Element



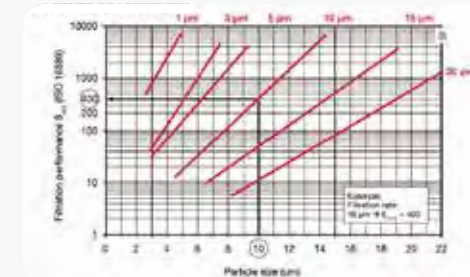
TECHNICAL SPECIFICATIONS

Collapse Rating	290psid(20 bar)
Temperature range	-22°F to 212°F (-30°C to 100°C)
Flow direction	outside to inside
Category	Disposable-single use
Bypass Cracking Pressure	R(only)=43psid(3 bar)(standard,others available)

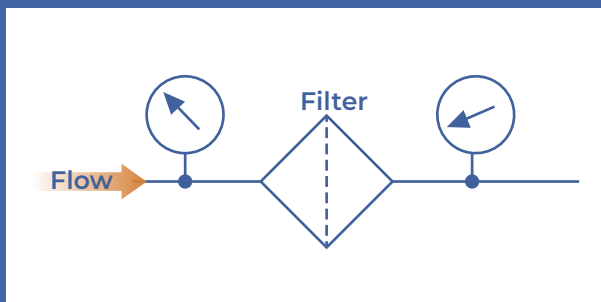
"D" PRESSURE ELEMENTS MODEL CODE



BETA RATIO (β) VALUES FOR OPTIMICRON



DIFFERENTIAL PRESSURE ACROSS FILTERS



Filter elements can only take a finite ΔP before they collapse.

Collapse stability for HYDAC "D" range
 20 bar - Standard elements
 210 bar - High collapse elements.



BETAMICRON® SERIES - "D" PRESSURE ELEMENTS

DESCRIPTION

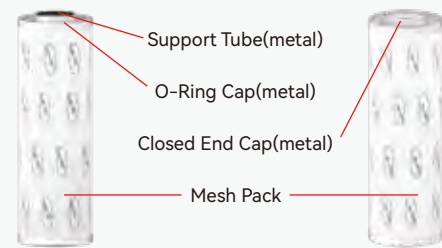
- BN4HC - Low Collapse (290 psid)
- BH4HC - High Collapse (3045 psid)
- Fiberglass, Non-Woven
- 1, 3, 5, 10, & 20 micron
- Filtration Rating $\beta_{x(c)} \geq 1000$
- High Beta Stability
- Structurally Designed for Dynamic Flow Conditions
- Collapse Rating 290 psid
- Depth Filtration
- Disposable

PRODUCT PHOTO



PRODUCT STRUCTURE

Betamicon® Pressure



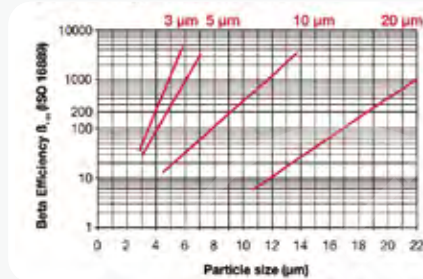
TECHNICAL SPECIFICATIONS

Collapse Rating	290 psid(20 bar)(R/RNBN4HCD/DNBN4HC) 3045 psid (210 bar)(D,BH/HC)
Temp.range	-22Fto 212F(-30°C to 100°C)
Flow direction	outside to inside
Filtration Rating	3,5,10,20 μ m
Category	Disposable-single use
Bypass Cracking Pressure	R(only)=43 psid (3 bar)(standard,others available) D..BN=87 psid (6 bar)(standard,others available) D..BH=No bypass(standard)

"D/DN"PRESSURE ELEMENTS MODEL CODE



BETA RATIO (β)VALUES FOR OPTIMICRON



HYDAC FILTER ELEMENTS - TYPE R FOR RETURN LINE FILTERS

APPLICATION

"R" type elements are used in return line filters, e.g. in the series RF, RFD, RFM, RFL, RFLD, RFM, NF, NFD.

FEATURES

- Filtration: 1 μ m to 20 μ m
- Filter Size: 30 to 2600
- Collapse stability: up to 20 bar
- With bypass valve (optionally without)



HYDAC Return Line Filter elements maintain the targeted purity class like pressure filters. However, because of their arrangement, they do not fulfil the additional function of a protection filter. In contrast to a pressure filter, it only has to withstand low pressure levels

PRODUCT ADVANTAGE & DISADVANTAGE

PRODUCT ADVANTAGES

01 ANOTHER ADVANTAGE

Low pressure means light materials. i.e.aluminium and plastics.

Light materials means lower cost overall.

Fine filtration at a lower cost overall means value for money.

BEST RETURN ON INVESTMENT

02 ANOTHER POSSIBLE DISADVANTAGE

Another possible disadvantage

Return line filters (and pressure line filters) will only work when there's flow occurring.

Depending on the system configuration, a machine may not achieve the required fluid cleanliness if it spends much time in a stand-by condition.



DETAILS

03 BY-PASS IN THE FILTER ELEMENT



OPTIMICRON® SERIES - "R" RETURN ELEMENTS

DESCRIPTION

- ON - code designation
- Glass fiber, multi-layered with support
- Collapse rating - 290 psid (20 bar)
- 1, 3, 5, 10, 15, 20 micron
- Filtration Rating Bx(c) ≥ 1000
- Depth Filtration
- Pressure and Return elements available
- Disposable - single use element
- Plastic outerwrap

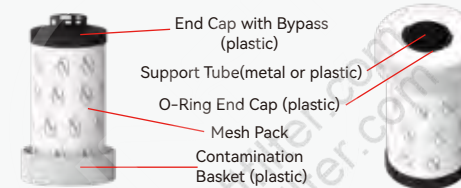
PRODUCT PHOTO



PRODUCT STRUCTURE

Optimicron® Return Element

Return filters include Bypass in the endcap-insures proper bypass operation at all times.



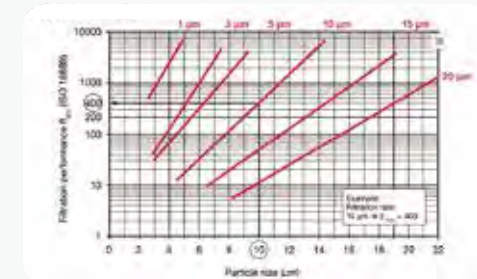
TECHNICAL SPECIFICATIONS

Collapse Rating	290psid(20 bar)
Temperature range	-22°F to212°F(-30°C to100°C)
Flow direction	outside to inside
Category	Disposable-single use
Bypass Cracking Pressure	R(only)=43psid(3 bar)(standard,others available)

"R"RETURN ELEMENTS MODEL CODE



BETA RATIO (β)VALUES FOR OPTIMICRON



BETAMICRON® SERIES - "R / RN" RETURN ELEMENTS

DESCRIPTION

- BN4HC - Low Collapse (290 psid)
- BH4HC - High Collapse (3045 psid)
- Fiberglass, Non-Woven
- 1, 3, 5, 10, & 20 micron
- Filtration Rating $\beta_x(c) \geq 1000$
- High Beta Stability
- Structurally Designed for Dynamic Flow Conditions
- Collapse Rating 290 psid
- Depth Filtration
- Disposable

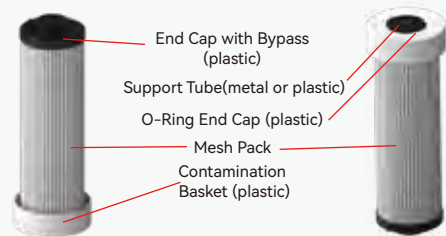
PRODUCT PHOTO



PRODUCT STRUCTURE

Betamicron® Return Element

Return filters include Bypass in the endcap-insures proper bypass operation at all times.



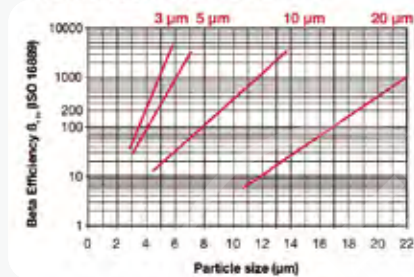
TECHNICAL SPECIFICATIONS

Collapse Rating	290 psid(20 bar)(R/RNBN4HCD/DNBN4HC) 3045 psid (210 bar)(D,BH/HC)
Temp.range	-22Fto 212F(-30°C to 100°C)
Flow direction	outside to inside
Filtration Rating	3,5,10,20 μ m
Category	Disposable-single use
Bypass Cracking Pressure	R(only)=43 psid (3 bar)(standard,others available) D..BN=87 psid (6 bar)(standard,others available) D..BH=No bypass(standard)

"R/RN" RETURN ELEMENTS MODEL CODE

Size	1500 R 020 BH4HC / 1500 RN 020 BH4HC
Material Element Type	Fiberglass, Non-Woven
Filtration Rating (micron)	1, 3, 5, 10, 20
Standard Media	Standard Media
Media	Fiberglass, Non-Woven
Support Cracking Pressure	290 psid (20 bar)
Supplementary Details	Standard Media

BETA RATIO (β) VALUES FOR BETAMICRON



OUR TESTING EQUIPMENT



▶ Air Premeability Tester



▶ 3D Printer



▶ Electronic Scanning Mirror



▶ Bubbling Test Bench



▶ Spectrograph Tester



▶ Alloy Tester



▶ Temperature & Humidity-Controlled Chamber



▶ Collapse Tester



▶ Optical Scanning Mirror

HV GLASS FIBER DATA

RR0801AA	RR0791AA	RR1051AA	FS9252H
RR0801FF	RR1056AA	RR0811AA	

HYDAC CROSS REFERENCE FILTER LIST

HYDAC	MAHLE COMEX	HYDAC	MAHLE COMEX
0030D003BH3HC	H0030DH3NBR	0060R020BN4HC	H 0060 RN 16 NBR (76319222)
0030D003BH4HC	H0030DH3NBR	0075R003BN3HC	H 0075 RN 3 NBR
0030D003BN3HC	H0030DN3NBR	0075R003BN4HC	H 0075 RN 3 NBR
0030D003BN4HC	H0030DN3NBR	0075R005BN3HC	H 0075 RN 6 NBR
0030D005BH3HC	H0030DH6NBR	0075R005BN4HC	H 0075 RN 6 NBR
0030D005BH4HC	H0030DH6NBR	0075R010BN3HC	H 0075 RN 10 NBR (77893647)
0030D005BN3HC	H0030DN6NBR	0075R010BN4HC	H 0075 RN 10 NBR (77893647)
0030D005BN4HC	H0030DN6NBR	0075R020BN3HC	H 0075 RN 16 NBR (77893654)
0030D010BH3HC	H0030DH10NBR	0075R020BN4HC	H 0075 RN 16 NBR (77893654)
0030D010BH4HC	H0030DH10NBR	0075R025BN3HC	H 0075 RN 25 NBR (78298531)
0030D010BN3HC	H0030DN10NBR	0075R025BN4HC	H 0075 RN 25 NBR (78298531)
0030D010BN4HC	H0030DN10NBR	0110D003BH3HC	H 0110 DH 3 NBR (77889363)
0030D020BH3HC	H0030DH16NBR	0110D003BH4HC	H 0110 DH 3 NBR (77889363)
0030D020BH4HC	H0030DH16NBR	0110D003BN3HC	H 0110 DN 3 NBR (77889322)
0030D020BN3HC	H0030DN16NBR	0110D003BN4HC	H 0110 DN 3 NBR (77889322)
0030D020BN4HC	H0030DN16NBR	0110D005BH3HC	H 0110 DH 6 NBR (77889371)
0030R003BN3HC	H0030RN3NBR	0110D005BH4HC	H 0110 DH 6 NBR (77889371)
0030R003BN4HC	H0030RN3NBR	0110D005BN3HC	H 0110 DN 6 NBR (77889330)
0030R005BN3HC	H0030RN6NBR	0110D005BN4HC	H 0110 DN 6 NBR (77889330)
0030R005BN4HC	H0030RN6NBR	0110D010BH3HC	H 0110 DH 10 NBR (77889389)
0030R010BN3HC	H0030RN10NBR	0110D010BH4HC	H 0110 DH 10 NBR (77889389)
0030R010BN4HC	H0030RN10NBR	0110D010BN3HC	H 0110 DN 10 NBR (77889348)
0030R020BN3HC	H0030RN16NBR	0110D010BN4HC	H 0110 DN 10 NBR (77889348)
0030R020BN4HC	H0030RN16NBR	0110D020BH3HC	H 0110 DH 16 NBR (77889397)
0060D003BH3HC	H0060DH3NBR	0110D020BH4HC	H 0110 DH 16 NBR (77889397)
0060D003BH4HC	H0060DH3NBR	0110D020BN3HC	H 0110 DN 16 NBR (77889355)
0060D003BN3HC	H0060DN3NBR	0110D020BN4HC	H 0110 DN 16 NBR (77889355)
0060D003BN4HC	H0060DN3NBR	0110R003BN3HC	H 0110 RN 3 NBR (76319230)H
0060D005BH3HC	H0060DH6NBR	0110R003BN4HC	0110 RN 3 NBR (76319230)H
0060D005BH4HC	H0060DH6NBR	0110R005BN3HC	0110 RN 6 NBR (76319248)H
0060D005BN3HC	H0060DN6NBR	0110R005BN4HC	0110 RN 6 NBR (76319248)H
0060D005BN4HC	H0060DN6NBR	0110R010BN3HC	0110 RN 10 NBR (76319255)H

HYDAC	MAHLE COMEX	HYDAC	MAHLE COMEX
0060D010BH3HC	H0060DH10NBR	0110R010BN4HC	0110 RN 10 NBR (76319255)H
0060D010BH4HC	H0060DH10NBR	0110R020BN3HC	0110 RN 16 NBR (76319263)H
0060D010BN3HC	H0060DN10NBR	0110R020BN4HC	0110 RN 16 NBR (76319263)H
0060D010BN4HC	H0060DN10NBR	0140D003BH3HC	0140 DH 3 NBR (76319834)H
0060D020BH3HC	H0060DH16NBR	0140D003BH4HC	0140 DH 3 NBR (76319834)H
0060D020BH4HC	H0060DH16NBR	0140D003BN3HC	0140 DN 3 NBR (76319636)H
0060D020BN3HC	H0060DN16NBR	0140D003BN4HC	0140 DN 3 NBR (76319636)H
0060D020BN4HC	H0060DN16NBR	0140D005BH3HC	0140 DH 6 NBR (76319842)H
0060R003BN3HC	H0060RN3NBR	0140D005BH4HC	0140 DH 6 NBR (76319842)H
0060R003BN4HC	H0060RN3NBR	0140D005BN3HC	0140 DN 6 NBR (76319644)H
0060R005BN3HC	H0060RN6NBR	0140D005BN4HC	0140 DN 6 NBR (76319644)H
0060R005BN4HC	H0060RN6NBR	0140D010BH3HC	0140 DH 10 NBR (76319859)H
0060R010BN3HC	H0060RN10NBR	0140D010BH4HC	0140 DH 10 NBR (76319859)H
0060R010BN4HC	H0060RN10NBR	0140D010BN3HC	0140 DN 10 NBR (76319651)H
0060R020BN3H	H0060RN16NBR	0140D010BN4HC	0140 DN 10 NBR (76319651)H
0140D020BH3HC	H0140DH16NBR	0240D010BN4HC	H0240DN10NBR
0140D020BH4HC	H0140DH16NBR	0240D020BH3HC	H0240DH16NBR
0140D020BN3HC	H0140DN16NBR	0240D020BH4HC	H0240DH16NBR
0140D020BN4HC	H0140DN16NBR	0240D020BN3HC	H0240DN16NBR
0160D003BH3HC	H0160DH3NBR	0240D020BN4HC	H0240DN16NBR
0160D003BH4HC	H0160DH3NBR	0240R003BN3HC	H0240RN3NBR
0160D003BN3HC	H0160DN3NBR	0240R003BN4HC	H0240RN3NBR
0160D003BN4HC	H0160DN3NBR	0240R005BN3HC	H0240RN6NBR
0160D005BH3HC	H0160DH6NBR	0240R005BN4HC	H0240RN6NBR
0160D005BH4HC	H0160DH6NBR	0240R010BN3HC	H0240RN10NBR
0160D005BN3HC	H0160DN6NBR	0240R010BN4HC	H0240RN10NBR
0160D005BN4HC	H0160DN6NBR	0240R020BN3HC	H0240RN16NBR
0160D010BH3HC	H0160DH10NBR	0240R020BN4HC	H0240RN16NBR
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0160D010BN4HC	H0160DN10NBR	0280D003BN3HC	H0280DN3NBR
0160D020BH3HC	H0160DH16NBR	0280D003BN4HC	H0280DN3NBR
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0160D020BN3HC	H0160DN16NBR	0280D005BH4HC	H0280DH6NBR
0160D020BN4HC	H0160DN16NBR	0280D005BN3HC	H0280DN6NBR
0160R003BN3HC	H0160RN3NBR	0280D005BN4HC	H0280DN6NBR

HYDAC	MAHLE COMEX	HYDAC	MAHLE COMEX
0160R003BN4HC	H0160RN3NBR	0280D010BH3HC	H0280DH10NBR
0160R005BN3HC	H0160RN6NBR	0280D010BH4HC	H0280DH10NBR
0160R005BN4HC	H0160RN6NBR	0280D010BN3HC	H0280DN10NBR
0160R010BN3HC	H0160RN10NBR	0280D010BN4HC	H0280DN10NBR
0160R010BN4HC	H0160RN10NBR	0280D020BH3HC	H0280DH16NBR
0160R020BN3HC	H0160RN16NBR	0280D020BH4HC	H0280DH16NBR
0160R020BN4HC	H0160RN16NBR	0280D020BN3HC	H0280DN16NBR
0165R003BN3HC	H0165RN3NBR	0280D020BN4HC	H0280DN16NBR
0165R003BN4HC	H0165RN3NBR	0330D003BH3HC	H0330DH3NBR
0165R006BN3HC	H0165RN6NBR	0330D003BH4HC	H0330DH3NBR
0165R006BN4HC	H0165RN6NBR	0330D003BN3HC	H0330DN3NBR
0165R010BN3HC	H0165RN10NBR	0330D003BN4HC	H0330DN3NBR
0165R010BN4HC	H0165RN10NBR	0330D005BH3HC	H0330DH6NBR
0165R020BN3HC	H0165RN16NBR	0330D005BH4HC	H0330DH6NBR
0165R020BN4HC	H0165RN16NBR	0330D005BN3HC	H0330DN6NBR
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0240D003BH4HC	H0240DH3NBR	0330D010BH3HC	H0330DH10NBR
0240D003BN3HC	H0240DN3NBR	0330D010BH4HC	H0330DH10NBR
0240D003BN4HC	H0240DN3NBR	0330D010BN3HC	H0330DN10NBR
0240D005BN3HC	H0240DN6NBR	0330D010BN4HC	H0330DN10NBR
0240D005BN4HC	H0240DN6NBR	0330D020BH3HC	H0330DH16NBR
0240D006BH3HC	H0240DH6NBR	0330D020BH4HC	H0330DH16NBR
0240D006BH4HC	H0240DH6NBR	0330D020BN3HC	H0330DN16NBR
0240D010BH3HC	H0240DH10NBR	0330D020BN4HC	H0330DN16NBR
0240D010BH4HC	H0240DH10NBR	0330R003BN3HC	H0330RN3NBR
0240D010BN3HC	H0240DN10NBR	0330R003BN4HC	H0330RN3NBR
0330R005BN3HC	H0330RN6NBR	0660R003BN4HC	H0660RN3NBR
0330R005BN4HC	H0330RN6NBR	0660R005BN3HC	H0660RN6NBR
0330R010BN3HC	H0330RN10NBR	0660R005BN4HC	H0660RN6NBR
0330R010BN4HC	H0330RN10NBR	0660R010BN3HC	H0660RN10NBR
0330R020BN3HC	H0330RN16NBR	0660R010BN4HC	H0660RN10NBR
0330R020BN4HC	H0330RN16NBR	0660R020BN3HC	H0660RN16NBR
0500D003BH3HC	H0500DH3NBR	0660R020BN4HC	H0660RN16NBR
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0500D003BN3HC	H0500DN3NBR	0850R003BN4HC	H0850RN3NBR
0500D003BN4HC	H0500DN3NBR	0850R005BN3HC	H0850RN6NBR
0500D005BH3HC	H0500DH6NBR	0850R005BN4HC	H0850RN6NBR

HYDAC	MAHLE COMEX	HYDAC	MAHLE COMEX
0500D005BH4HC	H0500DH6NBR	0850R010BN3HC	H0850RN10NBR
0500D005BN3HC	H0500DN6NBR	0850R010BN4HC	H0850RN10NBR
0500D005BN4HC	H0500DN6NBR	0850R020BN3HC	H0850RN16NBR
0500D010BH3HC	H0500DH10NBR	0850R020BN4HC	H0850RN16NBR
0500D010BH4HC	H0500DH10NBR	0950R003BN3HC	H0950RN3NBR
0500D010BN3HC	H0500DN10NBR	0950R003BN4HC	H0950RN3NBR
0500D010BN4HC	H0500DN10NBR	0950R005BN3HC	H0950RN6NBR
0500D020BH3HC	H0500DH16NBR	0950R005BN4HC	H0950RN6NBR
0500D020BH4HC	H0500DH16NBR	0950R010BN3HC	H0950RN10NBR
0500D020BN3HC	H0500DN16NBR	0950R010BN4HC	H0950RN10NBR
0500D020BN4HC	H0500DN16NBR	0950R020BN3HC	H0950RN16NBR
0500R003BN3HC	H0500RN3NBR	0950R020BN4HC	H0950RN16NBR
0500R003BN4HC	H0500RN3NBR	0990D003BH3HC	H0990DH3NBR
0500R005BN3HC	H0500RN6NBR	0990D003BH4HC	H0990DH3NBR
0500R005BN4HC	H0500RN6NBR	0990D003BN3HC	H0990DN3NBR
0500R010BN3HC	H0500RN10NBR	0990D003BN4HC	H0990DN3NBR
0500R010BN4HC	H0500RN10NBR	0990D005BH3HC	H0990DH6NBR
0500R020BN3HC	H0500RN16NBR	0990D005BH4HC	H0990DH6NBR
0500R020BN4HC	H0500RN16NBR	0990D005BN3HC	H0990DN6NBR
0660D003BH3HC	H0660DH3NBR	0990D005BN4HC	H0990DN6NBR
0660D003BH4HC	H0660DH3NBR	0990D010BH3HC	H0990DH10NBR
0660D003BN3HC	H0660DN3NBR	0990D010BH4HC	H0990DH10NBR
0660D003BN4HC	H0660DN3NBR	0990D010BN3HC	H0990DN10NBR
0660D005BH3HC	H0660DH6NBR	0990D010BN4HC	H0990DN10NBR
0660D005BH4HC	H0660DH6NBR	0990D020BH3HC	H0990DH16NBR
0660D005BN3HC	H0660DN6NBR	0990D020BH4HC	H0990DH16NBR
0660D005BN4HC	H0660DN6NBR	0990D020BN3HC	H0990DN16NBR
0660D010BH3HC	H0660DH10NBR	0990D020BN4HC	H0990DN16NBR
0660D010BH4HC	H0660DH10NBR	1300R003BN3HC	H1300RN3NBR
0660D010BN3HC	H0660DN10NBR	1300R003BN4HC	H1300RN3NBR
0660D010BN4HC	H0660DN10NBR	1300R005BN3HC	H1300RN6NBR
0660D010BN4HC	H0660DN10NBR	1300R005BN4HC	H1300RN6NBR
0660D010BN4HC	H0660DN16NBR	1300R010BN3HC	H1300RN10NBR
0660D020BH3HC	H0660DH16NBR	1300R010BN4HC	H1300RN10NBR
0660D020BH4HC	H0660DH16NBR	1300R020BN3HC	H1300RN16NBR
0660R003BN3HC	H0660RN3NBR	1300R020BN4HC	H1300RN16NBR

HYDAC	MAHLE COMEX	HYDAC	DONALDSON
1320D003BH3HC	H1320DH3NBR	0240F005BN3HC	P566978
1320D003BH4HC	H1320DH3NBR	0240R005BN4HC	P566978
1320D003BN3HC	H1320DN3NBR	0240R005BNHC	P566978
1320D003BN4HC	H1320DN3NBR	0240R010BN	P566979
1320D005BH3HC	H1320DH6NBR	0240R010BN3HC	P566979
1320D005BH4HC	H1320DH6NBR	0240R010BN4HC	P566979
1320D005BN3HC	H1320DN6NBR	0240R010BNHC	P566979
1320D005BN4HC	H1320DN6NBR	0240R020BN3HC	P566980
1320D010BH3HC	H1320DH10NBR	0240R020BNHC	P566980
1320D010BH4HC	H1320DH10NBR	028000038H	P566698
1320D010BN3HC	H1320DN10NBR	02800003BH3HC	P566698
1320D010BN4HC	H1320DN10NBR	02800003BHHC	P566698
1320D020BH3HC	H1320DH16NBR	028000038N	P566674
1320D020BH4HC	H1320DH16NBR	0280D003BN3HC	P566674
1320D020BN3HC	H1320DN16NBR	02800003BN4HC	P566674
1320D020BN4HC	H1320DN16NBR	02800003BNHC	P566674
2600R003BN3HC	H2600RN3NBR	0280D005BH4HC	P566698
2600R003BN4HC	H2600RN3NBR	02800005BN	P566675
2600R005BN3HC	H2600RN6NBR	02800005BN3HC	P566675
2600R005BN4HC	H2600RN6NBR	02800005BN4HC	P566675
2600R010BN3HC	H2600RN10NBR	02800005BNHC	P566675
2600R010BN4HC	H2600RN10NBR	02800010BH	P566699
2600R020BN3HC	H2600RN16NBR	02800010BH3HC	P566699
2600R020BN4HC	H2600RN16NBR	02800010BHHC	P566699

HYDAC	DONALDSON	HYDAC	DONALDSON
0330R003BN3HC	P566981	02800010BN	P566676
0330R003BN4HC	P566981	02800010BNBHC	P566676
0330R003BNHC	P566981	02800010BN4HC	P566676
0330R005BN3HC	P566982	02800010BNHC	P566676
0330P005BN4HC	P568982	028000208N	P566677
0330R005BNHC	P566982	02800020BN3HC	P566677
0330R010BN	P566983	02800020BN4HC	P566677
03308010BN3HC	P566983	02800020BNHC	P566677
0330R010BNHC	P566983	033000038H	P566700
0330R020BNHC	P566984	03300003BH3HC	P566700
0330R0220BN3HC	P566984	03300003BHHC	P566700
0330R0220BN4HC	P566984	033000038N	P566678

HYDAC	DONALDSON	HYDAC	DONALDSON
050000038H3HC	P568717	03300003BN3HC	P566678
50000038H4HC	P568717	03300003BN4HC	P566678
0500D003BN3HC	P568713	03300003BNHC	P566678
0500D003BN4HC	P568713	03300005BH4HC	P566700
0500D005BH4HC	P568717	03300005BN	P566679
05000005BN3HC	P568714	03300005BN3HC	P566679
05000005BN4HC	P568714	03300005BN4HC	P566679
5000010BH4HC	P568718	03300005BNHC	P566679
05000010BN3HC	P568715	03300010BH	P566701
05000010BN4HC	P568715	03300010BH3HC	P566701
05000020BN3HC	P568716	03300010BHHC	P566701
05000020BN4HC	P568716	03300010BN	P566680
05000050BN4HC	P568714	03300010BN3HC	P566680
066000038H	P566702	03300010BN4HC	P566680
66000038H3HC	P566702	03300010BNHC	P566680
66000038HHC	P566702	03300020BN	P566681
66000038N	P566682	03300020BN3HC	P566681
66000038N3HC	P566682	03300020BN4HC	P566681
060D003BN4HC	P566682	03300020BNHC	P566681
60D0038NHC	P566682	06600010BN4HC	P566684
06600005BH4HC	P566702	66000108NHC	P566684
06600005BN	P566683	06600020BN	P566685
600005BN3HC	P566683	66000208N3HC	P566685
0600005BN4HC	P566683	66000208N4HC	P566685
06600005BNHC	P566683	66000208NHC	P566685
6000108H	P566703	660R003BN3HC	P566985
066000108H3HC	P566703	660R003BN4HC	P566985
06600010BHHC	P566703	660R003BNHC	P566985
66000108N	P566684	660R005BN3HC	P566986
66000108N3HC	P566684	060R005BN4HC	P566986
660R020BNHC	P566988	660R005BNHC	P566986
0850R003BN3HC	P566989	060R010BN	P566987
0850R003BN4HC	P566989	060R010BN3HC	P566987
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