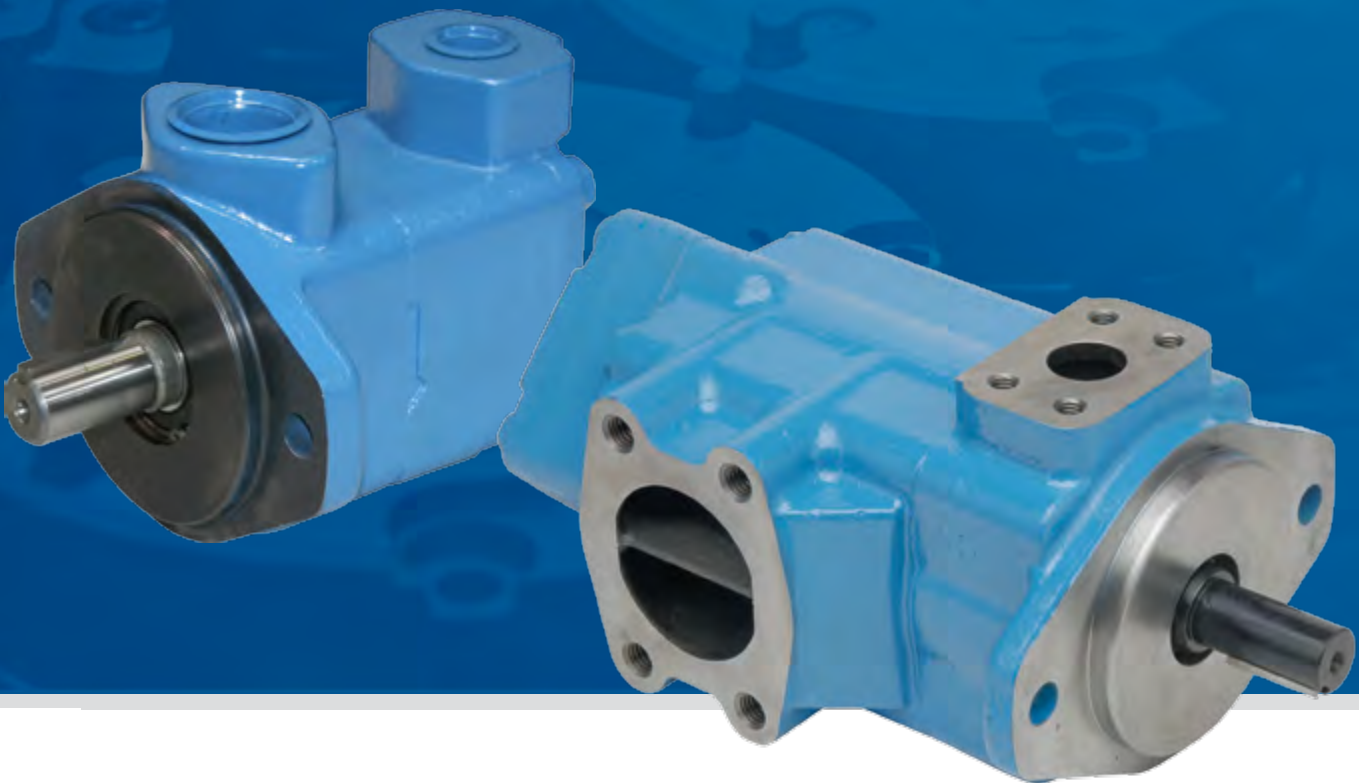


Replacement Units & Parts

# VANE PRODUCT LISTING 2014

Your Source for High Quality  
Vane Pumps, Cartridge Kits and Parts



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All Items listed are Metaris manufactured; OEM and reference part numbers are displayed for reference purposes only. Metaris and Hydraulex Global are not affiliated or authorized by the OEMs. Prices subject to change without notice.

General

## Vane Pumps

Series	List Price (U.S. - \$)
V10	P.O.R.
V10 F / P	P.O.R.
V10 NF	P.O.R.
V20	P.O.R.
V20 with B mount (NPT Only)	P.O.R.
V20 F / P	P.O.R.
V20 NF	P.O.R.
V20 F with B mount (NPT Only)	P.O.R.
V20P with B mount (NPT Only)	P.O.R.
V20 NF with B mount (NPT Only)	P.O.R.
V2010	P.O.R.
V2010 F / P	P.O.R.
V2020	P.O.R.
V2020 F / P	P.O.R.
VTM42	P.O.R.
VTM42 with RESERVOIR KIT (70 CU. IN.)	P.O.R.
VTM42 with RESERVOIR KIT (115 CU. IN.)	P.O.R.

### Single Vane Pumps

20V/VQ SINGLE	P.O.R.
25V/VQ SINGLE	P.O.R.
35V/VQ SINGLE	P.O.R.
45V/VQ SINGLE	P.O.R.

### Single Thru-Drive Vane Pumps

25VQT - with A mount	P.O.R.
25VQT - with B mount	P.O.R.
35VQT - with A mount	P.O.R.
35VQT - with B mount	P.O.R.
35VQT - with C mount	P.O.R.
45VQT - with A mount	P.O.R.
45VQT - with B mount	P.O.R.
45VQT - with C mount	P.O.R.

PRICE INCLUDES STANDARD SPLINED / KEYED SHAFT

General

**Vane Pumps**

Series	List Price (U.S - \$)
<b>Tandem Type Vane Pumps</b>	
2520V/VQ TANDEM	P.O.R.
3520V/VQ TANDEM	P.O.R.
3525V/VQ TANDEM	P.O.R.
4520V/VQ TANDEM	P.O.R.
4525V/VQ TANDEM	P.O.R.
4535V/VQ TANDEM	P.O.R.

<b>Triple Vane Pumps</b>	
2520VQV10 TRIPLE	P.O.R.
3520VQV10 TRIPLE	P.O.R.
3525VQV10 TRIPLE	P.O.R.
4535VQV10 TRIPLE	P.O.R.
3525VQV20 TRIPLE	P.O.R.
4525VQV20 TRIPLE	P.O.R.

CUSTOM SHAFTS AVAILABLE FOR MOST SERIES OF PUMPS

<b>High Pressure Vane Pumps (32 Design)</b>	
35VQH SINGLE	P.O.R.
45VQH SINGLE	P.O.R.
3520VQH DOUBLE	P.O.R.
3525VQH DOUBLE	P.O.R.
4520VQH DOUBLE	P.O.R.
4525VQH DOUBLE	P.O.R.
4535VQH DOUBLE	P.O.R.
3520VQHV10 TRIPLE	P.O.R.
3525VQHV10 TRIPLE	P.O.R.
4535VQHV10 TRIPLE	P.O.R.

INCLUDES STANDARD SPLINED SHAFT.  
FOR MORE INFORMATION PLEASE CONTACT OUR SALES DEPT.

General

## Cartridge Kit Summary

Series	List Price (U.S. - \$)
V10 - 1/2/3/4/5/6/7 GPM	P.O.R.
V20 - 6/7/8/9/10/11/12/13 GPM	P.O.R.
V2010/V2020 Front Cartridges	P.O.R.
VTM42 - 1/1.5/2/4/5/6 GPM	P.O.R.
<b>Mobile &amp; Industrial Application Kits</b>	
20V/VQ - 5/8/9/11/12/14 GPM	P.O.R.
25V/VQ - 12/14/17/19/21 GPM	P.O.R.
30V/VQ - 24/28 GPM	P.O.R.
35V/VQ - 21/25/30/35/38 GPM	P.O.R.
45V/VQ - 42/47/50/57/60 GPM	P.O.R.
<b>High Pressure Cartridge Kits (22 Design)</b>	
20VQH - 5/8/9/11/12/14 GPM	P.O.R.
25VQH - 12/14/17/19/21 GPM	P.O.R.
35VQH - 25/30/35/38 GPM	P.O.R.
45VQH - 42/50/57/60 GPM	P.O.R.
<b>High Pressure Cartridge Kits (32 Design)</b>	
35VQH - 35/38 GPM	P.O.R.
45VQH - 50/57/60 GPM	P.O.R.

General

## Cartridge Kits

Metaris Part #	Alternative Part #	Description
N20-40-051		CARTRIDGE 20V05 V-X-L
N20-40-052		CARTRIDGE 20V05 V-X-R
N20-40-053		CARTRIDGE 20V05 V-B-L
N20-40-054		CARTRIDGE 20V05 V-B-R
N20-40-055		CARTRIDGE 20V05 N-X-L
N20-40-056	M585471	CARTRIDGE 20V05 N-X-R
N20-40-057		CARTRIDGE 20V05 N-B-L
N20-40-058		CARTRIDGE 20V05 N-B-R
N20-40-081		CARTRIDGE 20V08 V-X-L
N20-40-082		CARTRIDGE 20V08 V-X-R
N20-40-083		CARTRIDGE 20V08 V-B-L
N20-40-084		CARTRIDGE 20V08 V-B-R
N20-40-085		CARTRIDGE 20V08 N-X-L
N20-40-086	M585473	CARTRIDGE 20V08 N-X-R
N20-40-087		CARTRIDGE 20V08 N-B-L
N20-40-088		CARTRIDGE 20V08 N-B-R
N20-40-111		CARTRIDGE 20V11 V-X-L
N20-40-112		CARTRIDGE 20V11 V-X-R
N20-40-113		CARTRIDGE 20V11 V-B-L
N20-40-114		CARTRIDGE 20V11 V-B-R
N20-40-115		CARTRIDGE 20V11 N-X-L
N20-40-116	M585475	CARTRIDGE 20V11 N-X-R
N20-40-117		CARTRIDGE 20V11 N-B-L
N20-40-118		CARTRIDGE 20V11 N-B-R
N20-40-121		CARTRIDGE 20V12 V-X-L
N20-40-122		CARTRIDGE 20V12 V-X-R
N20-40-123		CARTRIDGE 20V12 V-B-L
N20-40-124		CARTRIDGE 20V12 V-B-R
N20-40-125		CARTRIDGE 20V12 N-X-L
N20-40-126	M585476	CARTRIDGE 20V12 N-X-R
N20-40-128		CARTRIDGE 20V12 N-B-R
N20-40-141		CARTRIDGE 20V14 V-X-L
N20-40-142		CARTRIDGE 20V14 V-X-R
N20-40-143		CARTRIDGE 20V14 V-B-L
N20-40-144		CARTRIDGE 20V14 V-B-R
N20-40-145		CARTRIDGE 20V14 N-X-L
N20-40-146	M585477	CARTRIDGE 20V14 N-X-R

General

**Cartridge Kits Cont.**

Metaris Part #	Alternative Part #	Description
N20-40-146		CARTRIDGE 20V14 N-X-R
N20-40-147		CARTRIDGE 20V14 N-B-L
N20-40-148		CARTRIDGE 20V14 N-B-R
N20-41-051		CARTRIDGE 20VQ05 V-X-L
N20-41-052		CARTRIDGE 20VQ05 V-X-R
N20-41-053		CARTRIDGE 20VQ05 V-B-L
N20-41-054		CARTRIDGE 20VQ05 V-B-R
N20-41-055		CARTRIDGE 20VQ05 N-X-L
N20-41-056		CARTRIDGE 20VQ05 N-X-R
N20-41-057		CARTRIDGE 20VQ05 N-B-L
N20-41-058		CARTRIDGE 20VQ05 N-B-R
N20-41-081		CARTRIDGE 20VQ08 V-X-L
N20-41-082		CARTRIDGE 20VQ08 V-X-R
N20-41-083		CARTRIDGE 20VQ08 V-B-L
N20-41-084		CARTRIDGE 20VQ08 V-B-R
N20-41-085		CARTRIDGE 20VQ08 N-X-L
N20-41-086		CARTRIDGE 20VQ08 N-X-R
N20-41-087		CARTRIDGE 20VQ08 N-B-L
N20-41-088		CARTRIDGE 20VQ08 N-B-R
N20-41-091		CARTRIDGE 20VQ09 V-X-L
N20-41-092		CARTRIDGE 20VQ09 V-X-R*
N20-41-093		CARTRIDGE 20VQ09 V-B-L
N20-41-094		CARTRIDGE 20VQ09 V-B-R
N20-41-095		CARTRIDGE 20VQ09 N-X-L
N20-41-096		CARTRIDGE 20VQ09 N-X-R
N20-41-097		CARTRIDGE 20VQ09 N-B-L
N20-41-098		CARTRIDGE 20VQ09 N-B-R
N20-41-111		CARTRIDGE 20VQ11 V-X-L
N20-41-112		CARTRIDGE 20VQ11 V-X-R
N20-41-113		CARTRIDGE 20VQ11 V-B-L
N20-41-114		CARTRIDGE 20VQ11 V-B-R
N20-41-115		CARTRIDGE 20VQ11 N-X-L
N20-41-116		CARTRIDGE 20VQ11 N-X-R
N20-41-117		CARTRIDGE 20VQ11 N-B-L
N20-41-118		CARTRIDGE 20VQ11 N-B-R
N20-41-121		CARTRIDGE 20VQ12 V-X-L
N20-41-122		CARTRIDGE 20VQ12 V-X-R

General

**Cartridge Kits Cont.**

Metaris Part #	Alternative Part #	Description
N20-41-123		CARTRIDGE 20VQ12 V-B-L
N20-41-124		CARTRIDGE 20VQ12 V-B-R
N20-41-125		CARTRIDGE 20VQ12 N-X-L
N20-41-126		CARTRIDGE 20VQ12 N-X-R
N20-41-127		CARTRIDGE 20VQ12 N-B-L
N20-41-128		CARTRIDGE 20VQ12 N-B-R
N20-41-141		CARTRIDGE 20VQ14 V-X-L
N20-41-142		CARTRIDGE 20VQ14 V-X-R
N20-41-143		CARTRIDGE 20VQ14 V-B-L
N20-41-144		CARTRIDGE 20VQ14 V-B-R
N20-41-145		CARTRIDGE 20VQ14 N-X-L
N20-41-146		CARTRIDGE 20VQ14 N-X-R
N20-41-147		CARTRIDGE 20VQ14 N-B-L
N20-41-148		CARTRIDGE 20VQ14 N-B-R
N20-45-051		CARTRIDGE 20VQ05 TRP
N20-45-081		CARTRIDGE 20VQ08 TRP
N20-45-091		CARTRIDGE 20VQ09 TRP
N20-45-111		CARTRIDGE 20VQ11 TRP
N20-45-121		CARTRIDGE 20VQ12 TRP
N20-45-141		CARTRIDGE 20VQ14 TRP
N25-40-122	M102544	CARTRIDGE25V12V-X-R
N25-40-124	M102540	CARTRIDGE25V12V-B-R
N25-40-126	M591091	CARTRIDGE25V12N-X-R
N25-40-128	M591002	CARTRIDGE25V12N-B-R
N25-40-142	M102545	CARTRIDGE25V14V-X-R
N25-40-144	M102541	CARTRIDGE25V14V-B-R
N25-40-146	M591092	CARTRIDGE25V14N-X-R
N25-40-148	M591003	CARTRIDGE25V14N-B-R
N25-40-172	M102546	CARTRIDGE25V17V-X-R
N25-40-173		CARTRIDGE 25V17 V-B-L
N25-40-174	M102542	CARTRIDGE25V17V-B-R
N25-40-176	M102538	CARTRIDGE25V17N-X-R
N25-40-178	M102534	CARTRIDGE25V17N-B-R
N25-40-211		CARTRIDGE 25V21 V-X-L
N25-40-212	M102547	CARTRIDGE25V21V-X-R
N25-40-214	M102543	CARTRIDGE25V21V-B-R
N25-40-216	M102539	CARTRIDGE25V21N-X-R



General

## Cartridge Kits Cont.

Metaris Part #	Alternative Part #	Description
N25-40-216		CARTRIDGE 25V21 N-X-R
N25-40-218	M102535	CARTRIDGE25V21N-B-R
N25-41-121	M421576-L	CARTRIDGE25VQ12V-X-L
N25-41-122		CARTRIDGE 25VQ12 V-X-R
N25-41-123	M421570-L	CARTRIDGE25VQ12V-B-L
N25-41-124	M421570	CARTRIDGE25VQ12V-B-R
N25-41-125	M421244-L	CARTRIDGE25VQ12N-X-L
N25-41-126	M421244	CARTRIDGE25VQ12N-X-R
N25-41-127	M416439-L	CARTRIDGE25VQ12N-B-L
N25-41-128	M416439	CARTRIDGE25VQ12N-B-R
N25-41-141	M421577-L	CARTRIDGE25VQ14V-X-L
N25-41-142	M421577	CARTRIDGE25VQ14V-X-R
N25-41-143	M421571-L	CARTRIDGE25VQ14V-B-L
N25-41-144	M421571	CARTRIDGE25VQ14V-B-R
N25-41-145	M421235-L	CARTRIDGE25VQ14N-X-L
N25-41-146	M421235	CARTRIDGE25VQ14N-X-R
N25-41-147	M416440-L	CARTRIDGE25VQ14N-B-L
N25-41-148	M416440	CARTRIDGE25VQ14N-B-R
N25-41-164	M578174	CARTRIDGE25VQ16V-B-R
N25-41-171	M421578-L	CARTRIDGE25VQ17V-X-L
N25-41-172	M421578	CARTRIDGE25VQ17V-X-R
N25-41-173	M421572-L	CARTRIDGE25VQ17V-B-L
N25-41-174	M421572	CARTRIDGE25VQ17V-B-R
N25-41-175	M421236-L	CARTRIDGE25VQ17N-X-L
N25-41-176	M421236	CARTRIDGE25VQ17N-X-R
N25-41-177	M416441-L	CARTRIDGE25VQ17N-B-L
N25-41-178	M416441	CARTRIDGE25VQ17N-B-R
N25-41-191	M421579-L	CARTRIDGE25VQ19V-X-L
N25-41-192	M421579	CARTRIDGE25VQ19V-X-R
N25-41-193	M421573-L	CARTRIDGE25VQ19V-B-L
N25-41-194	M421573	CARTRIDGE25VQ19V-B-R
N25-41-195	M421237-L	CARTRIDGE25VQ19N-X-L
N25-41-196	M421237	CARTRIDGE25VQ19N-X-R
N25-41-197	M421232-L	CARTRIDGE25VQ19N-B-L
N25-41-198	M421232	CARTRIDGE25VQ19N-B-R
N25-41-211	M421580-L	CARTRIDGE25VQ21V-X-L
N25-41-212	M421580	CARTRIDGE25VQ21V-X-R

General

## Cartridge Kits Cont.

Metaris Part #	Alternative Part #	Description
N25-41-213	M421574-L	CARTRIDGE25VQ21V-B-L
N25-41-214		CARTRIDGE 25VQ21 V-B-R
N25-41-215	M421238-L	CARTRIDGE25VQ21N-X-L
N25-41-216	M421238	CARTRIDGE25VQ21N-X-R
N25-41-217	M416442-L	CARTRIDGE25VQ21N-B-L
N25-41-218	M416442	CARTRIDGE25VQ21N-B-R
N25-42-123		CARTRIDGE 25VQH12-L-22
N25-42-124		CARTRIDGE 25VQH12-R-22
N25-42-143		CARTRIDGE 25VQH14-L-22
N25-42-144		CARTRIDGE 25VQH14-R-22
N25-42-173		CARTRIDGE 25VQH17-L-22
N25-42-174		CARTRIDGE 25VQH17-R-22
N25-42-193		CARTRIDGE 25VQH19-L-22
N25-42-194		CARTRIDGE 25VQH19-R-22
N25-42-213		CARTRIDGE 25VQH21-L-22
N25-42-214		CARTRIDGE 25VQH21-R-22
N25-45-122	M581851	CARTRIDGE25VQ12TRP
N25-45-142	M581852	CARTRIDGE25VQ14TRP
N25-45-172	M581853	CARTRIDGE25VQ17TRP
N25-45-192	M581854	CARTRIDGE25VQ19TRP
N25-45-211	M581855-L	CARTRIDGE25VQ21TRP-L
N25-45-212	M581855	CARTRIDGE25VQ21TRP
N30-41-243	M421645-L	CARTRIDGE 30VQ24 V-B-L
N30-41-244	M421645	CARTRIDGE 30VQ24 V-B-R
N30-41-247	M417052-L	CARTRIDGE 30VQ24 N-B-L
N30-41-248	M417052	CARTRIDGE 30VQ24 N-B-R
N30-41-287	M416452-L	CARTRIDGE 30VQ28 N-B-L
N30-41-288	M416452	CARTRIDGE 30VQ28 N-B-R
N35-40-214		CARTRIDGE 35V21 V-B-R
N35-40-252	M102564	CARTRIDGE 35V25 V-X-R
N35-40-254	M102560	CARTRIDGE35V25 V-B-R
N35-40-256	M102556	CARTRIDGE 35V25 N-X-R
N35-40-257	M102552-L	CARTRIDGE35V25 N-B-L
N35-40-258	M102552	CARTRIDGE 35V25 N-B-R
N35-40-302	M102565	CARTRIDGE 35V30 V-X-R
N35-40-304	M102561	CARTRIDGE35V30 V-B-R
N35-40-306	M102557	CARTRIDGE 35V30 N-X-R

General

## Cartridge Kits Cont.

Metaris Part #	Alternative Part #	Description
N35-40-308	M102553	CARTRIDGE 35V30 N-B-R
N35-40-352	M102566	CARTRIDGE 35V35 V-X-R
N35-40-353		CARTRIDGE 35V35 V-B-L
N35-40-354	M102562	CARTRIDGE35V35 V-B-R
N35-40-356	M582350	CARTRIDGE 35V35 N-X-R
N35-40-358	M102554	CARTRIDGE 35V35 N-B-R
N35-40-382	M102567	CARTRIDGE 35V38 V-X-R
N35-40-383		CARTRIDGE 35V38 V-B-L
N35-40-384	M102563	CARTRIDGE35V38 V-B-R
N35-40-386	M102559	CARTRIDGE 35V38 N-X-R
N35-40-388	M578314	CARTRIDGE 35V38 N-B-R
N35-41-211	M421563	CARTRIDGE35VQ21 V-X-L
N35-41-213	M421582-L	CARTRIDGE35VQ21 V-B-L
N35-41-214	M421582	CARTRIDGE35VQ21 V-B-R
N35-41-217	M413420-L	CARTRIDGE35VQ21 N-B-L
N35-41-218	M413420	CARTRIDGE35VQ21 N-B-R
N35-41-251	M421564-L	CARTRIDGE35VQ25 V-X-L
N35-41-252	M421564	CARTRIDGE35VQ25 V-X-R
N35-41-253	M421583-L	CARTRIDGE35VQ25 V-B-L
N35-41-253		CARTRIDGE 35VQ25 V-B-L
N35-41-254	M421583	CARTRIDGE35VQ25 V-B-R
N35-41-255	M421240-L	CARTRIDGE35VQ25 N-X-L
N35-41-256	M421240	CARTRIDGE35VQ25 N-X-R
N35-41-257	M413421-L	CARTRIDGE35VQ25 N-B-L
N35-41-258	M413421	CARTRIDGE35VQ25 N-B-R
N35-41-301	M421565-L	CARTRIDGE35VQ30 V-X-L
N35-41-302	M421565	CARTRIDGE35VQ30 V-X-R
N35-41-303	M421584-L	CARTRIDGE35VQ30 V-B-L
N35-41-304		CARTRIDGE 35VQ30 V-B-R
N35-41-305	M421241-L	CARTRIDGE35VQ30 N-X-L
N35-41-306	M421241	CARTRIDGE35VQ30 N-X-R
N35-41-307	M413422-L	CARTRIDGE35VQ30 N-B-L
N35-41-308	M413422	CARTRIDGE35VQ30 N-B-R
N35-41-351	M421566-L	CARTRIDGE35VQ35 V-X-L
N35-41-352	M421566	CARTRIDGE35VQ35 V-X-R
N35-41-353	M421585-L	CARTRIDGE35VQ35 V-B-L
N35-41-354	M421585	CARTRIDGE35VQ35 V-B-R

General

## Cartridge Kits Cont.

Metaris Part #	Alternative Part #	Description
N35-41-355	M421242-L	CARTRIDGE35VQ35 N-X-L
N35-41-356	M421242	CARTRIDGE35VQ35 N-X-R
N35-41-357	M413418-L	CARTRIDGE35VQ35 N-B-L
N35-41-358	M413418	CARTRIDGE35VQ35 N-B-R
N35-41-381	M421567-L	CARTRIDGE35VQ38 V-X-L
N35-41-382	M421567	CARTRIDGE35VQ38 V-X-R
N35-41-383	M421586-L	CARTRIDGE35VQ38 V-B-L
N35-41-384	M421586	CARTRIDGE35VQ38 V-B-R
N35-41-385	M421243-L	CARTRIDGE35VQ38 N-X-L
N35-41-386	M421243	CARTRIDGE35VQ38 N-X-R
N35-41-387	M413419-L	CARTRIDGE35VQ38 N-B-L
N35-41-388	M413419	CARTRIDGE35VQ38 N-B-R
N35-42-253		CARTRIDGE 35VQH25-L-22
N35-42-303		CARTRIDGE 35VQH30-L-22
N35-42-304		CARTRIDGE 35VQH30-R-22
N35-42-353		CARTRIDGE 35VQH35-L-22
N35-42-354		CARTRIDGE 35VQH35-R-22
N35-42-383		CARTRIDGE 35VQH38-L-22
N35-42-384		CARTRIDGE 35VQH38-R-22
N35-44-354		CARTRIDGE 35VQH35-R-32
N35-44-383		CARTRIDGE 35VQH38-L-32
N35-44-384		CARTRIDGE 35VQH38-R-32
N35-45-214	M583338	CARTRIDGE35VQ21 TRP
N35-45-254	M583339	CARTRIDGE35VQ25 TRP
N35-45-301	M583340-L	CARTRIDGE35VQ30 V-X-L TRP
N35-45-304	M583340	CARTRIDGE35VQ30 TRP
N35-45-354	M383341	CARTRIDGE35VQ35 TRP
N35-45-384	M583342	CARTRIDGE35VQ38 TRP
N45-40-424	M102576	CARTRIDGE 45V42 V-B-R
N45-40-428	M102572	CARTRIDGE 45V42 N-B-R
N45-40-454	M586331	CARTRIDGE 45V45 V-B-R
N45-40-458	M582572	CARTRIDGE 45V45 N-B-R
N45-40-504	M102577	CARTRIDGE 45V50 V-B-R
N45-40-508	M581664	CARTRIDGE 45V50 N-B-R
N45-40-603	M102578-L	CARTRIDGE 45V60 V-B-L
N45-40-604	M102578	CARTRIDGE 45V60 V-B-R
N45-40-608	M102575	CARTRIDGE 45V60 N-B-R

General

## Cartridge Kits Cont.

Metaris Part #	Alternative Part #	Description
N45-41-423	M419511-L	CARTRIDGE 45VQ42 V-B-L
N45-41-424		CARTRIDGE 45VQ42 V-B-R
N45-41-427	M416435-L	CARTRIDGE 45VQ42 N-B-L
N45-41-428	M416435	CARTRIDGE 45VQ42 N-B-R
N45-41-473	M421954-L	CARTRIDGE 45VQ47 V-B-L
N45-41-474	M421954	CARTRIDGE 45VQ47 V-B-R
N45-41-477	M421234-L	CARTRIDGE 45VQ47 N-B-L
N45-41-478	M421234	CARTRIDGE 45VQ47 N-B-R
N45-41-503	M419510-L	CARTRIDGE 45VQ50 V-B-L
N45-41-504		CARTRIDGE 45VQ50 V-B-R
N45-41-507	M416436-L	CARTRIDGE 45VQ50 N-B-L
N45-41-508	M416436	CARTRIDGE 45VQ50 N-B-R
N45-41-573	M421955-L	CARTRIDGE 45VQ57 V-B-L
N45-41-574		CARTRIDGE 45VQ57 V-B-R
N45-41-577	M421233-L	CARTRIDGE 45VQ57 N-B-L
N45-41-578	M421233	CARTRIDGE 45VQ57 N-B-R
N45-41-603	M419509-L	CARTRIDGE 45VQ60 V-B-L
N45-41-604	M419509	CARTRIDGE 45VQ60 V-B-R
N45-41-607	M416437-L	CARTRIDGE 45VQ60 N-B-L
N45-41-608	M416437	CARTRIDGE 45VQ60 N-B-R
N45-42-424		CARTRIDGE 45VQH42-R-22
N45-42-503	M582355-L	CARTRIDGE 45VQH50-L-F3-22
N45-42-504	M582355	CARTRIDGE 45VQH50-R-22
N45-42-573	M478047-L	CARTRIDGE 45VQH57-L-22
N45-42-574		CARTRIDGE 45VQH57-R-22
N45-42-603		CARTRIDGE 45VQH60-L-22
N45-42-604	M591425	CARTRIDGE 45VQH60-R-22
N45-44-503		CARTRIDGE 45VQH50-L-32
N45-44-504		CARTRIDGE 45VQH50-R-32
N45-44-573		CARTRIDGE 45VQH57-L-32
N45-44-574		CARTRIDGE 45VQH57-R-32
N45-44-603		CARTRIDGE 45VQH60-L-32
N45-44-604		CARTRIDGE 45VQH60-R-32
N45-45-504		CARTRIDGE 45VQV50-22
N45-45-604		CARTRIDGE 45VQV60-22
V10-40-010	M923471	CARTRIDGE V10-01
V10-40-020	M923470	CARTRIDGE V10-02

General

**Cartridge Kits Cont.**

Metaris Part #	Alternative Part #	Description
V10-40-030	M923496	CARTRIDGE V10-03
V10-40-040	M923469	CARTRIDGE V10-04
V10-40-050	M923468	CARTRIDGE V10-05
V10-40-060	M923497	CARTRIDGE V10-06
V10-40-070	M923498	CARTRIDGE V10-07
V20-40-050	M02-137570	CARTRIDGE V20-05F3
V20-40-060	M02-137571	CARTRIDGE V20-06F3
V20-40-070	M02-137572	CARTRIDGE V20-07F3
V20-40-080	M02-137573	CARTRIDGE V20-08F3
V20-40-090	M02-137574	CARTRIDGE V20-09F3
V20-40-100	M02-137575	CARTRIDGE V20-10F3
V20-40-110	M02-137576	CARTRIDGE V20-11F3
V20-40-120	M02-137577	CARTRIDGE V20-12F3
V20-40-130	M02-137578	CARTRIDGE V20-13F3
V21-40-050	M02-141745	CARTRIDGE V2010-5GPM
V21-40-060	M02-141746	CARTRIDGE V2010-6GPM
V21-40-070	M02-152006	CARTRIDGE V2010-7GPM
V21-40-080	M02-152007	CARTRIDGE V2010-8GPM
V21-40-090	M02-152008	CARTRIDGE V2010-9GPM
V21-40-100	M02-152009	CARTRIDGE V2010-10GPM
V21-40-110	M02-152010	CARTRIDGE V2010-11GPM
V21-40-120	M02-152011	CARTRIDGE V2010-12GPM
V21-40-130	M02-152012	CARTRIDGE V2010-13GPM
V42-40-010	M923087	CARTRIDGE 1.0 GPM
V42-40-015	M923088	CARTRIDGE 1.5 GPM
V42-40-020	M923089	CARTRIDGE 2.0 GPM
V42-40-040	M923090	CARTRIDGE 4.0 GPM
V42-40-050	M923091	CARTRIDGE 5.0 GPM
V42-40-060	M923092	CARTRIDGE 6.0 GPM

General

## Shafts

Metaris Part #	Alternative Part #	Description
MPN000685	M116644	V210-001 SHAFT KEYED
MPN000688	M120037	V210-003 SHAFT KEYED
MPN000690	M131420	V210-006 SHAFT
N20-50-120	M497109	20VQ-001 SHAFT KEYED S/A
N20-50-320	M497113	20VQ-151 SHAFT SPLINED S/A
N25201-50-32	M913330	2520VQV10-297 SHAFT SPLINED S/A
N25201-50-33	M944154	2520VQV10-298 SHAFT SPLINED S/A
N25201-50-34	M574831	2520VQV10-171 SHAFT SPLINED CAT
N2520-50-121	M254964	2520VQ-001 SHAFT KEYED S/A
N2520-50-122	M387448	2520VQ-003 SHAFT KEYED S/A
N2520-50-131	M419083	2520VQ-086 SHAFT
N2520-50-132		2520VQ-182 SHAFT KEYED
N2520-50-320	M413433	2520VQ-011/123 SHAFT SPLINED S/A
N2520-50-330	M287333	2520VQ-049 SHAFT SPLINED S/A SPCL
N2520-50-341	M576247	2520VQ-145 SHAFT SPLINE CATAP. ONLY
N2520-50-342	M413021	2520VQ-025 SHAFT SPLINE XLONG S/A
N2520-50-360		2520VQ-121 SHAFT SPLINED
N2520-50-630	M309130	2520VQ-005 SHAFT TAPERED S/A
N25-50-121	M238755	25VQ-001 SHAFT KEYED S/A
N25-50-122	M242747	25VQ-003 SHAFT KEYED S/A
N25-50-130	M478826	25VQ-025 SHAFT SPLINED S/A SPCL
N25-50-320	M238929	25VQ-011 SHAFT SPLINED S/A
N25-50-330	M402105	25VQ-105 SHAFT SPLINED S/A SPCL
N25-50-341	M270187	25VQ-025 SHAFT SPLINED S/A SPCL
N25-50-342	M413018	25VQ-109 SHAFT SPLINED S/A SPCL
N25-50-343	M585311	25VQ-112 SHAFT SPLINED S/A SPCL
N25-50-344	M424457	25VQ-127 SHAFT SPLINED S/A SPCL
N25-50-630	M242784	25VQ-005 SHAFT TAPERED SPCL
N26-50-330	M402104	26VQ-104 SHAFT SPLINED S/A SPCL
N26-50-631	M424086	26VQ-132 SHAFT TAPERED SPCL
N26-50-632	M578154	26VQ-149 SHAFT TAPERED SPCL
N35201-50-34	M913608	3520VQV10-297 SHAFT SPLINED S/A
N3520-50-140	M258249	3520VQ-001 SHAFT KEYED S/A
N3520-50-170	M394517	3520VQ-086 SHAFT KEYED HEAVYDUTY
N3520-50-341	M258250	3520VQ-011 SHAFT SPLINED S/A
N3520-50-342	M413022	3520VQ-019 SHAFT SPLINE S/A XL SPCL
N3520-50-343	M413434	3520VQ-114 SHAFT SPLINED S/A

General

## Shafts Cont.

Metaris Part #	Alternative Part #	Description
N3520-50-344	M584371	3520VQ-160 SHAFT
N35251-50-170		3525VQV10-086 SHAFT
N35251-50-34	M883250	3525VQV10-297 SHAFT SPLINED
N35251-50-342		3525VQV10-297 SHAFT SPLINED
N3525-50-140	M243448	3525VQ-001 SHAFT
N3525-50-170	M394036	3525VQ-086 SHAFT KEYED
N3525-50-341	M243449	3525VQ-011 SHAFT SPLINED
N3525-50-342	M247019	3525VQ-019 SHAFT XLONG
N3525-50-343	M285417	3525VQ-033/111 SHAFT SPLINED SPCL
N3525-50-344	M432701	3525VQ-123 SHAFT SPLINED
N3525-50-345	M432632	3525VQ-142 SHAFT SPLINED SPCL
N3525-50-346	M913757	3525VQT-297 SHAFT SPLINE THRU DRIVE
N35-50-140	M233624	35VQ-001 SHAFT KEYED S/A
N35-50-170	M392669	35VQ-086 SHAFT KEYED HEAVYDUTY
N35-50-341	M413019	35VQ-004 SHAFT SPLINED S/A SPCL
N35-50-342	M242287	35VQ-011 SHAFT SPLINED S/A
N35-50-343	M275270	35VQ-019 SHAFT SPLINED S/A XLONG
N35-50-344	M417331	35VQ-127 SHAFT SPLINED S/A SPCL
N35-50-345	M634895	35VQ-173 SHAFT SPLINED S/A SPCL
N35-50-350	M313317	36VQ-064 SHAFT SPLINED S/A SPCL
N35-50-600	M417333	35VQ-129 SHAFT TAPERED SPCL
N45201-51-140		4520VQHV10-401 SHAFT
N45201-51-340		4520VQHV10-414 SHAFT
N4520-50-140	M255533	4520VQ-001 SHAFT KEYED S/A
N4520-50-180	M361761	4520VQ-086 SHAFT KEYED HEAVYDUTY
N4520-50-341	M255536	4520VQ-011 SHAFT SPLINED S/A
N4520-50-342	M413436	4520VQ-114 SHAFT SPLINED S/A
N4520-50-343	M413437	4520VQ-115 SHAFT SPLINED S/A SPCL
N4520-51-140		4520VQH-401 SHAFT
N4520-51-341		4520VQH-411 SHAFT
N4520-51-342		4520VQH-414 SHAFT
N45251-51-18		4525VQHV10-486 SHAFT
N45251-51-340		4525VQHV10-414 SHAFT
N45252-51-340	M143-9721	4525VQHV20-414 SHAFT SPLINED
N4525-50-140	M233524	4525VQ-001 SHAFT KEYED S/A
N4525-50-181	M361762	4525VQ-086 SHAFT KEYED HEAVYDUTY
N4525-50-341	M233527	4525VQ-011 SHAFT SPLINED S/A



General

## Shafts Cont.

Metaris Part #	Alternative Part #	Description
N4525-50-342	M413024	4525VQ-114 SHAFT SPLINED S/A
N4525-50-343	M413025	4525VQ-115 SHAFT SPLINED S/A
N4525-50-344	M432703	4525V-130 SHAFT SPLINED S/A
N4525-50-345	M913576	4525VQT-297 SHFT SPLINED THRU-DRIVE
N4525-50-346		SHAFT SPLINED S/A SPCL
N4525-51-140		4525VQH-401 SHAFT
N4525-51-341		4525VQH-411 SHAFT
N4525-51-342		4525VQH-414 SHAFT
N45351-51-340	M883215	4535VQHV10-414 SHAFT SPLINED
N4535-50-140	M289083	4535VQ-001 SHAFT KEYED S/A
N4535-50-180	M361763	4535VQ-086 SHAFT KEYED HEAVYDUTY
N4535-50-341	M289084	4535VQ-011 SHAFT SPLINED S/A
N4535-50-342	M413027	4535VQ-114/019 SHAFT SPLINED XL S/A
N4535-50-343	M413438	4535VQ-125 SHAFT SPLINED S/A
N4535-50-344	M860607	4535VQ-219 SHAFT
N4535-51-140		4535VQH-401 SHAFT
N4535-51-341		4535VQH-411 SHAFT
N4535-51-342		4535VQH-414 SHAFT
N45-50-140	M233369	45VQ-001 SHAFT KEYED STRAIGHT K S/A
N45-50-180	M361760	45VQ-086 SHAFT KEYED HEAVYDUTY S/A
N45-50-341	M233370	45VQ-004 SHAFT SPLINED S/A
N45-50-342	M242885	45VQ-011 SHAFT SPLINED S/A
N45-50-343	M265575	45VQ-019 SHAFT SPLINED XLONG S/A
N45-50-344	M413020	45VQ-111 SHAFT SPLINED S/A SPCL
N45-50-345	M413430	45V/VQ-120 SHAFT SPLINED S/A SPCL
N45-50-346	M422541	45VQ-130 SHAFT SPLINED S/A
N45-50-347		SHAFT SPLINED S/A SPCL
N45-50-390	M252893	45VQ-026 SHAFT SPLINED S/A CAT ONLY
N45-51-140		45VQH-401 SHAFT
N45-51-180		45VQH-486 SHAFT
N45-51-340		45VQH-411 SHAFT
V10-50-111		V10-SHAFT KEYED / THREADED
V10-50-112	M375485	V10-034 SHAFT KEYED THREADED
V10-50-113	M374340	V10-003 SHAFT KEYED THREADED
V10-50-161	M382250	V10-006 SHAFT KEYED STRAIGHT
V10-50-162	M374338	V10-001 SHAFT KEYED STRAIGHT
V10-50-163	M378959	V10-004 SHAFT KEY .750DIA, 1.651EXT

General

## Shafts Cont.

Metaris Part #	Alternative Part #	Description
V10-50-164		V10-002 SHAFT KEYED STRAIGHT
V10-50-310	M374339	V10-011 SHAFT SPLINED
V10-50-320	M375480	V10-012 SHAFT SPLINED
V10-50-360	M387481	V10-038 SHAFT SPLINED
V10-50-920	M380281	V10-027 SHAFT TANG
V20-50-130	M280504	V20-003 SHAFT THR. KEYED, 10-13 GPM
V20-50-161	M297330	V20-006 SHAFT KEYED
V20-50-162	M324043	V20-010 SHAFT KEYED, 10-13 GPM
V20-50-163	M280372	V20-001 SHAFT KEYED
V20-50-164		V20 SHAFT KEYED / THREADED 1/4 X20
V20-50-311	M582610	V20-062 SHAFT SPLINED
V20-50-312	M307817	V20-018 SHAFT SPLINED
V20-50-321	M324047	V20-023 SHAFT SPLINED
V20-50-322	M294922	V20-015 SHAFT SPLINED
V20-50-361	M280515	V20-011 SHAFT SPLINE, 10-13 GPM
V20-50-362		ZF 11 TOOTH LG. PUMP SHAFT
V20-50-364	M328096	V20-038/138 SHAFT SPLINED
V21-50-120	M351249	V2010-001 SHAFT
V21-50-320	M321215	V2010-011 SHAFT
V22-50-121	M308925	V2020-003 SHAFT KEYED
V22-50-122	M308686	V2020-001 SHAFT KEYED
V22-50-320	M308926	V2020-011 SHAFT SPLINED
V42-50-160		VTM SHAFT KEYED

General

## Seals and Kits

Metaris Part #	Alternative Part #	Description
N20-92-351	M370084	20VQ SPACER
X01-02-50532	M9955	25V,V2010, V2020 SHAFT # 001 KEY
X01-02-60644	M3418	25VQ-086 SHAFT KEY
X41-11-09070	M11156	3/8" X 2 3/4" HEX BOLT
X01-02-80854	M393536	35V / 3525V -#086 SHAFT KEY
X01-02-80832		45V SHAFT# 001 KEY
X02-01-12160	M374865	5/8" ORB PLUG (3/4"-16TH) HEX HEAD
X81-15-06203		90 DURO. ORING (NITRILE
X81-15-08204		90 DURO. ORING (NITRILE)
X81-15-09804		90 DURO. ORING(NITRILE
X85-11-03903	M588506	B-U-RING
X85-11-04403	M588507	B-U-RING
X85-11-06303	M588508	B-U-RING
X85-15-08903	M138895	B-U-RING 25VQ
X85-15-10503	M271810	B-U-RING 35VQ
X85-15-12403	M271818	B-U-RING 45VQ
X85-11-07303	M141436	B-U-RING BUNA 20VQ 45VQ
X85-23-03903	M588506V	B-U-RING VITON (20 VQ )
X85-23-04403	M588507V	B-U-RING VITON (25VQ)
X85-23-06303	M588508V	B-U-RING VITON (35VQ)
X85-23-07303	M588509V	B-U-RING VITON 45VQ
N20-03-313		BUSHING 20VQ
N25-03-320		BUSHING 25VQ
N35-03-322	M327009	BUSHING 35VQ
N45-03-326		BUSHING 45VQ
N4525-50-530	M577937	COUPLING W/SNAP RING
V10-94-101	M2460	DOWEL PIN V10-01/02/03
V20-94-101		DOWEL PIN V20-12/13
MPN021002		FOOT BRACKET V10
V42-85-011	M291667	GASKET - VTM
V42-65-074		GASKET 70/115 GA TANK
X41-11-09089		HEX HEAD CAP SCREW 3/8" X 3-1/2"
X41-11-09095	M265346	HEX HEAD CAP SCREW 3/8"-16 X 3-3/4"
X41-11-13057		HEX-BOLT 1/2" X 2-1/4 REAR (TANDEM)
X41-11-09102		HEX-BOLT 3/8" X 4"
X01-02-91051	M239751	KEY 45VQ,4535VQ#86
X01-02-80844	M88678	KEY -5/16 X 5/16 X 1-3/4

General

## Seals and Kits Cont.

Metaris Part #	Alternative Part #	Description
X01-02-50025	M142843	KEY V10-001
X01-03-50016	M1606	KEY V10-004 VTM 42
X01-02-50541	M5881	KEY V20-001
X01-03-50025	M1615	KEY V20-003
X41-22-06025		M6 X 25mm SOCKET HEAD CAP SCREW
MPN095067	M922762	ME MANIFOLD VTM42
X42-11-14008		NUT V20-003 HEX JAM NUT
X81-11-00802		O-RING
X81-11-03104	M154022	O-RING
X81-11-04404	M154178	O-RING
X81-11-04603	M416418	O-RING
X81-11-06203	M586581	O-RING
X81-11-06304	M154084	O-RING
X81-11-07304	M154087	O-RING
X81-11-07604	M154088	O-RING
X81-11-08804	M154092	O-RING
X81-11-10804	M154098	O-RING
X81-11-11704	M154101	O-RING
X81-11-13604	M154107	O-RING
X81-13-03804	M154026	O-RING
X81-22-03804	M154026V	O-RING
X81-22-04404	M154078V	O-RING
X81-11-01203		O-RING 1/2" X 11/16" X 3/32"
X81-15-01602	M154129	O-RING NITRILE 90 DURO
X81-15-01602		O-RING NITRILE 90 DURO
N20-60-100	M395562	O-RING RETAINER 20VQ
MPN003062	M199822	O-RING V10
MPN003063	M199823	O-RING V10 VITON
X81-11-08204	M154090	O-RING V20
X81-22-03304		O-RING VITON
X81-22-06304	M154084V	O-RING VITON
X81-22-07304	M154087V	O-RING VITON
X81-22-09804	M586590	O-RING VITON
X81-22-11704	M154101V	O-RING VITON
X81-22-08204	M154090V	O-RING, VITON - 75 DURO.
V42-94-101	M217308	PIN - VTM 10/15/20/40
V42-94-102	M154364	PIN VTM 5/6 GPM

General

## Seals and Kits Cont.

Metaris Part #	Alternative Part #	Description
X02-03-22130	M007077	PIPE PLUG 1/2" NPT
X02-09-44060		PLUG-PROTECTIVE
V42-65-115	M923840	RESERVOIR KIT (115 CU. IN.)
V42-65-070		RESERVOIR KIT (70 CU. IN.)
N25-60-100	M415731	RETAINER 25VQ
N35-60-100	M412013	RETAINER 35VQ
N45-60-100	M415375	RETAINER 45VQ
MPN002161	M433761	RETAINER KIT 20VQ
MPN002162	M433763	RETAINER KIT 25VQ
MPN002163	M433765	RETAINER KIT 35VQ
MPN002164	M433767	RETAINER KIT 45VQ
X81-11-03603	M199816	RETAINER O-RING 20VQ
X81-22-03603	M199816V	RETAINER O-RING 20VQ-F3
X81-22-04603	M416418V	RETAINER O-RING 25VQ-F3
X81-11-05003	M416417	RETAINER O-RING 35VQ
X81-22-05003	M416417V	RETAINER O-RING 35VQ-F3
X81-11-06303	M416416	RETAINER O-RING 45VQ
X81-22-06303	M416416V	RETAINER O-RING 45VQ-F3
X05-01-43010	M087541	RETAINER V10, VTM
X05-02-16010	M16641	RETAINER V10, VTM
X05-01-53020	M109975	RETAINING RING
X05-02-18010	M98653	RETAINING RING
N20-87-040	M419672	RING SEAL 20V VQ
N25-87-040	M419673	RING SEAL 25V VQ
N35-87-040	M419674	RING SEAL 35V VQ
N45-87-040	M419675	RING SEAL 45V VQ
MPN070781		SEAL KIT
MPN070961		SEAL KIT
MPN070964		SEAL KIT
V21-80-110	M923577	SEAL KIT (V2010)
V22-80-120	M923174	SEAL KIT (V2020)
N20-80-011	M497125	SEAL KIT 20V, SINGLE SHAFT SEAL
N20-80-021	M981322	SEAL KIT 20V-F3
N20-80-112	M497124	SEAL KIT 20VQ, DOUBLE SHAFT SEAL
N20-80-122	M451472	SEAL KIT 20VQ-F3
N2520-80-022		SEAL KIT 2520V, DOUBLE SHAFT SEAL
N2520-80-011	M922856	SEAL KIT 2520V, SINGLE SHAFT SEAL

General

**Seals and Kits Cont.**

Metaris Part #	Alternative Part #	Description
N2520-80-021	M919303	SEAL KIT 2520V-F3
N2520-80-121	M920042	SEAL KIT 2520VQ
N2520-80-112	M920041	SEAL KIT 2520VQ, DOUBLE SHAFT SEAL
N2520-80-111	M920040	SEAL KIT 2520VQ, SINGLE SHAFT SEAL
N2520-80-122	M920043	SEAL KIT 2520VQ-F3
N25-80-022		SEAL KIT 25V -F3
N25-80-011	M922850	SEAL KIT 25V, SINGLE SHAFT SEAL
N25-80-021	M919656	SEAL KIT 25V-F3
N25-80-112	M920022	SEAL KIT 25VQ, DOUBLE SHAFT SEAL
N25-80-111	M920021	SEAL KIT 25VQ, SINGLE SHAFT SEAL
N25-80-121	M920023	SEAL KIT 25VQ-F3
N25-80-122	M920024	SEAL KIT 25VQ-F3
N3520-80-022		SEAL KIT 3520V, DOUBLE SHAFT SEAL
N3520-80-011	M922859	SEAL KIT 3520V, SINGLE SHAFT SEAL
N3520-80-021	M919304	SEAL KIT 3520V-F3
N3520-80-112	M920049	SEAL KIT 3520VQ, DOUBLE SHAFT SEAL
N3520-80-111	M920048	SEAL KIT 3520VQ, SINGLE SHAFT SEAL
N3520-80-121	M920050	SEAL KIT 3520VQ-F3
N3520-80-122	M920051	SEAL KIT 3520VQ-F3
N3525-80-022		SEAL KIT 3525V, DOUBLE SHAFT SEAL
N3525-80-011	M922862	SEAL KIT 3525V, SINGLE SHAFT SEAL
N3525-80-021	M919305	SEAL KIT 3525V-F3
N3525-80-112	M920057	SEAL KIT 3525VQ, DOUBLE SHAFT SEAL
N3525-80-111	M920056	SEAL KIT 3525VQ, SINGLE SHAFT SEAL
N3525-80-121	M920058	SEAL KIT 3525VQ-F3
N3525-80-122	M920059	SEAL KIT 3525VQ-F3
N35-80-022		SEAL KIT 35V, DOUBLE SHAFT SEAL
N35-80-011	M922851	SEAL KIT 35V, SINGLE SHAFT SEAL
N35-80-021	M919262	SEAL KIT 35V-F3
N35-80-112	M920016	SEAL KIT 35VQ, DOUBLE SHAFT SEAL
N35-80-111	M920015	SEAL KIT 35VQ, SINGLE SHAFT SEAL
N35-80-121	M920029	SEAL KIT 35VQ-F3
N35-80-122	M920030	SEAL KIT 35VQ-F3
N4520-80-022		SEAL KIT 4520V, DOUBLE SHAFT SEAL
N4520-80-011	M922863	SEAL KIT 4520V, SINGLE SHAFT SEAL
N4520-80-021	M919616	SEAL KIT 4520V-F3
N4520-80-112	M920061	SEAL KIT 4520VQ, DOUBLE SHAFT SEAL

General

## Seals and Kits Cont.

Metaris Part #	Alternative Part #	Description
N4520-80-111	M920060	SEAL KIT 4520VQ, SINGLE SHAFT SEAL
N4520-80-121	M920062	SEAL KIT 4520VQ-F3
N4520-80-122	M920063	SEAL KIT 4520VQ-F3
N4525-80-022		SEAL KIT 4525V, DOUBLE SHAFT SEAL
N4525-80-011	M922865	SEAL KIT 4525V, SINGLE SHAFT SEAL
N4525-80-021	M919345	SEAL KIT 4525V-F3
N4525-80-112	M920069	SEAL KIT 4525VQ, DOUBLE SHAFT SEAL
N4525-80-111	M920068	SEAL KIT 4525VQ, SINGLE SHAFT SEAL
N4525-80-121	M920070	SEAL KIT 4525VQ-F3
N4525-80-122	M920071	SEAL KIT 4525VQ-F3
N4535-80-011	M922866	SEAL KIT 4535V, SINGLE SHAFT SEAL
N4535-80-021	M919346	SEAL KIT 4535V-F3
N4535-80-112	M920073	SEAL KIT 4535VQ, DOUBLE SHAFT SEAL
N4535-80-111	M920072	SEAL KIT 4535VQ, SINGLE SHAFT SEAL
N4535-80-121	M920074	SEAL KIT 4535VQ-F3
N4535-80-122	M920075	SEAL KIT 4535VQ-F3
N45-80-022		SEAL KIT 45V, DOUBLE SHAFT SEAL
N45-80-011	M919850	SEAL KIT 45V, SINGLE SHAFT SEAL
N45-80-021	M919632	SEAL KIT 45V-F3
N45-80-112	M920026	SEAL KIT 45VQ, DOUBLE SHAFT SEAL
N45-80-111	M920025	SEAL KIT 45VQ, SINGLE SHAFT SEAL
N45-80-121	M920027	SEAL KIT 45VQ-F3
N45-80-122	M920028	SEAL KIT 45VQ-F3
V10-80-100	M923548	SEAL KIT V10
V10-80-200	M919772	SEAL KIT V10-F3
V20-80-100	M922733	SEAL KIT V20 BUNA
V20-80-110	M922733	SEAL KIT V20/F/P-11/12
V20-80-200	M919805	SEAL KIT V20/F/P-11/12-F3
V22-80-220	M919786	SEAL KIT V2010 VITON
V21-80-210	M919770	SEAL KIT V2020 VITON
V20-80-121	M02-137555	SEAL KIT V20F-22
V20-80-221	M02-137556	SEAL KIT V20F-22-F3
V20-80-122	M02-137557	SEAL KIT V20FS-22
V20-80-222	M02-137558	SEAL KIT V20FS-22-F3
MPN002830	M922732	SEAL KIT V210
MPN002830	M922732	SEAL KIT V210
MPN099841		SEAL KIT V223

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## Seals and Kits Cont.

Metaris Part #	Alternative Part #	Description
V42-80-100	M922904	SEAL KIT VTM42
MPN070963		SEAL KIT, DOUBLE SHAFT SEAL
MPN070966		SEAL KIT, DOUBLE SHAFT SEAL
MPN070967	M923847	SEAL KIT, DOUBLE SHAFT SEAL
X81-11-01002		SEAL O-RING
X81-11-02303		SEAL O-RING BUNA
X81-22-01002		SEAL O-RING VITON
X81-22-02303		SEAL O-RING VITON
N20-88-122	M433762	SEAL PACK A. 20VQ
N25-88-122	M433764	SEAL PACK A. 25VQ
N35-88-122	M433766	SEAL PACK A. 35VQ
N45-88-122	M433768	SEAL PACK A. 45VQ
X84-35-02808	M394976-90	SEAL-PRIMARY 25VQ NITRILE
X84-33-02808	M429286	SEAL-PRIMARY 25VQ-F3
X84-35-03608	M394973	SEAL-PRIMARY 35VQ
X84-33-03608	M429284	SEAL-PRIMARY 35VQ-F3
X84-35-04010	M394974-70	SEAL-PRIMARY 45VQ NITRILE
X84-32-04010	M429285	SEAL-PRIMARY 45VQ-F3
X83-35-01509	M263585	SEAL-PRIMARY V10
X83-32-01509	M388205	SEAL-PRIMARY V10-F3
X83-35-02008	M122558	SEAL-PRIMARY V20 BUNA 90 DURO
X83-32-02508		SEAL-PRIMARY V2010, VITON
X83-32-02008	M279499	SEAL-PRIMARY V20F3 (VITON)
X83-31-02708	M229236	SEAL-PRIMARY V210
X84-33-02905	M429283	SEAL-SECONDARY 25VQ
X84-33-03606	M429281	SEAL-SECONDARY 35VQ VITON
X84-32-04006	M429282	SEAL-SECONDARY 45VQ - VITON
X05-01-18010		SNAP RING
X05-02-24010	M160686	SNAP RING BEARING V2020/V2010
X05-04-19020	M155023	SNAP RING V10 V20-11 DESIGN
X05-02-28010	M119982	SNAPRING 35VQ
X41-12-09025		SOCKET HEAD CAP SCREW 3/8"X1"
X41-11-08064		SOCKET SET CAP SCREW 5/16"X 2 1/2"
N45-92-561	M194878	SPACER 45VQ
X05-03-85020	M158630	SPIRAL LOCK
X05-03-55010	M191400	SPIROLOCK 25VQ
X05-03-75010	M193144	SPIROLOCK 35VQ



General

**Seals and Kits Cont.**

Metaris Part #	Alternative Part #	Description
X02-09-44380		SPLIT FLANGE PLUG (1 1/2)
X02-09-44320		SPLIT FLANGE PLUG (1 1/4)
X02-09-44250		SPLIT FLANGE PLUG (1)
X02-09-44640		SPLIT FLANGE PLUG (2 1/2)
X02-09-44510		SPLIT FLANGE PLUG (2)
X02-09-44190		SPLIT FLANGE PLUG (3/4)
V00-95-223	M2281	SPRING C.V. F TO K
V00-95-221	M2280	SPRING -PRESS.-B C
V10-95-330	M384222	SPRING V10 V2010
V00-95-110	M239766	SPRING V10F, V20F,V2010F, V2020F
V22-95-340	M309795	SPRING V2020-20
V22-95-331	M343567	V2020-20 DES SPRING
N25-92-351	M190362	WASHER 25VQ
N35-92-471	M193220	WASHER 35VQ
N45-92-561	M194878	WASHER 45VQ

General

## Bearings

Metaris Part #	Alternative Part #	Description
X03-16-12552	M082938	BALL BEARING V2010/V2020
X03-15-12552	M232750	BALL BEARING (H.D)SHAFT- DOUBLE ROW
X03-10-12552	M001705	BALL BEARING (STD)SHAFT-25VQ
X03-16-11740	M148423	BALL BEARING SHAFT - V10, VTM42
X03-16-12047	M098574	BALL BEARING V20
X03-10-12047	M1704	BALL BEARING V20FS-22 (30VQ)
X03-10-11740	M001703	BALL BEARING -V210
X03-23-11419	M222440	BEARING
X03-10-13072	M038441	BEARING (DIR)SHAFT-35VQ
X03-10-13580	M131812	BEARING (STD)SHAFT-45VQ

## Vane Kits

Metaris Part #	Alternative Part #	Description
N20-72-310	M922741	VANE KIT 20VQ(S)
N20-72-320	M922743	VANE KIT 20VQ(T)
N25-71-300	M941214	VANE KIT 25V
N25-72-300	M922710	VANE KIT 25VQ
N30-72-300	M922648	VANE KIT 30VQ
N35-71-300	M941019	VANE KIT 35V
N35-72-300	M922700	VANE KIT 35VQ
N45-71-300	M941049	VANE KIT 45V
N45-72-300	M922701	VANE KIT 45VQ
V20-70-304	M923479	VANE KIT V20-12/13

General

## Cam Rings

Metaris Part #	Alternative Part #	Description
N20-71-105	M254846	CAM RING 20V05
N20-71-108	M250820	CAM RING 20V08
N20-71-111	M250819	CAM RING 20V11
N20-71-112	M256581	CAM RING 20V12
N20-71-114	M257953	CAM RING 20V14
N20-72-105	M333624	CAM RING 20VQ05
N20-72-108	M333625	CAM RING 20VQ08
N20-72-109	M374799	CAM RING 20VQ09
N20-72-111	M333626	CAM RING 20VQ11
N20-72-112	M353901	CAM RING 20VQ12
N20-72-114	M353902	CAM RING 20VQ14
N25-71-112	M584610	CAM RING 25V12
N25-71-114	M584612	CAM RING 25V14
N25-71-117	M584614	CAM RING 25V17
N25-71-121	M584616	CAM RING 25V21
N25-72-112	M326984	CAM RING 25VQ12
N25-72-114	M326985	CAM RING 25VQ14
N25-72-117	M326986	CAM RING 25VQ17
N25-72-119	M326987	CAM RING 25VQ19
N25-72-121	M326988	CAM RING 25VQ21
N30-72-124	M234470	CAM RING 30VQ24
N30-72-128	M224525	CAM RING 30VQ28
N35-71-125	M576210	CAM RING 35V25
N35-71-130	M576212	CAM RING 35V30
N35-71-135	M576214	CAM RING 35V35
N35-71-138	M575476	CAM RING 35V38
N35-72-121	M394961	CAM RING 35VQ21
N35-72-125	M319396	CAM RING 35VQ25
N35-72-130	M319397	CAM RING 35VQ30
N35-72-135	M319398	CAM RING 35VQ35
N35-72-138	M319399	CAM RING 35VQ38
N45-71-142	M581679	CAM RING 45V42
N45-71-145	M582570	CAM RING 45V45
N45-71-150	M581680	CAM RING 45V50
N45-71-160	M578904	CAM RING 45V60
N45-72-142	M297510	CAM RING 45VQ42
N45-72-147	M297718	CAM RING 45VQ47

General

**Cam Rings Cont.**

Metaris Part #	Alternative Part #	Description
N45-72-150	M297502	CAM RING 45VQ50
N45-72-157	M306772	CAM RING 45VQ57
N45-72-160	M297503	CAM RING 45VQ60
V10-70-101	M317674	CAM RING V10-01
V10-70-102	M317675	CAM RING V10-02
V10-70-103	M317676	CAM RING V10-03
V10-70-104	M317677	CAM RING V10-04
V10-70-105	M317678	CAM RING V10-05
V10-70-106	M355641	CAM RING V10-06
V10-70-107	M331813	CAM RING V10-07
V20-70-105	M388284	CAM RING V20-05
V20-70-106	M328150	CAM RING V20-06
V20-70-107	M328152	CAM RING V20-07
V20-70-108	M331791	CAM RING V20-08
V20-70-109	M331789	CAM RING V20-09
V20-70-110	M374309	CAM RING V20-10
V20-70-111	M328156	CAM RING V20-11
V20-70-112	M331806	CAM RING V20-12
V20-70-113	M331807	CAM RING V20-13
V42-70-110		CAM RING VTM-10
V42-70-115		VTM - 1.5 CAM RING
V42-70-120	M296596	CAM RING VTM 2.0
V42-70-140		CAM RING VTM-40
V42-70-150		CAM RING VTM-50
V42-70-160	M296599	CAM RING VTM-60

General

## Housings

For more information, please contact our sales department.

Metaris Part #	Alternative Part #	Description
V20-10-213		V20-D-1 HOUSING FRONT
V42-10-291		VTM FRONT HOUSING SUB-ASSY.
N20-20-100		20VQB REAR HOUSING
V10-25-999		COVER **VQV10 RELIEF VALVE
N4525-30-001		4525VQBD CENTER HOUSING
N35-20-210		HOUSING REAR - 35VQ
N4535-30-001		4535VQBD CENTER HOUSING
N4525-30-010		HOUSING CENTER - 4525VQ
N4520-30-011		4520VQD CENTER HOUSING
N45-20-101		45VQBD REAR HOUSING
N35-20-110		HOUSING REAR - 35VQ
N45-10-230		45VQB HOUSING FRONT, BLANK
N4520-30-010		HOUSING CENTER - 4520VQ
N45-20-110		HOUSING REAR - 45VQ
N25-20-201		25VQBD REAR HOUSING
N35-20-211		HOUSING REAR - 35 VQD- TANDEM
N4535-30-010		HOUSING CENTER - 4535VQ
N35-20-301		REAR COVER - 35V10D - BLANK
N4535-30-000		4535VQB HOUSING CENTER
N45-10-231		45VQ HOUSING FRONT
N35-20-100		35VQB HOUSING REAR
N35-20-200		35VQB HOUSING REAR- TANDEM
N25-10-220		25VQ HOUSING FRONT, BLANK
N45-10-233		45VQBD FRONT HOUSING-BLANK DUCTILE
N35-10-230		35VQ HOUSING FRONT, BLANK
N35-20-111		35VQD REAR HOUSING
N20-10-221		20VQ HOUSING FRONT
N3520-30-010		HOUSING CENTER - 3520VQ
N3525-30-001		3525VQBD CENTER HOUSING
N25-20-210		HOUSING REAR - 25VQ
N2520-30-010		HOUSING CENTER - 2520VQ
N25-20-200		25VQB REAR HOUSING
N4525-30-011		4525VQD CENTER HOUSING
N3525-30-010		HOUSING CENTER - 3525VQ
N35-20-311		REAR COVER - 35V10D
N45-20-100		45VQB HOUSING REAR

General

## Housings Cont.

For more information, please contact our sales department.

Metaris Part #	Alternative Part #	Description
N4535-30-011		4535VQD CENTER HOUSING
N45-20-111		45VQD REAR HOUSING
N35-20-310		REAR COVER 35V10
N30-20-110		30VQ REAR HOUSING
V20-23-229		REAR COVER V20P-T
V20-10-602		V20-P-4 HOUSING FRONT
N3525-30-011		**3525VQD CENTER HOUSING
N35-20-201		35VQBD REAR HOUSING
N35-10-231		35VQ HOUSING FRONT
N3520-30-011		**3520VQD CENTER HOUSING
N25-10-221		25VQ HOUSING FRONT
V20-25-959		V20R COVER
N45-10-234		45VQD HOUSING FRONT
V20-35-999		RELIEF VALVE
N20-20-110		HOUSING REAR - 20VQ
V10-20-000		V10 REAR COVER - BLANK
V22-20-000		V2020 REAR COVER - BLANK
N35-10-233		35VQBD FRONT HOUSING-BLANK DUCTILE
N25-20-301		REAR COVER - 25V10DB - BLANK
N25-20-110		HOUSING REAR - 25VQ
N20-20-910		2520VQ-IL REAR COVER, 4 BLT FLANGE
V21-10-220		V2010/V2020 SEC BLANK
V10-22-232		REAR COVER V10F ASSY. CODE P 2 GPM
V22-21-500		REAR COVER V2020-S-30
V22-30-010		V2020 INLET BODY
V20-22-232		REAR COVER V20F ASSY. CODE P 2GPM
V20-22-252		REAR COVER V20F ASSY. CODE S 2GPM
N2520-30-910		2520VQ IL CENTRE HOUSING
V10-23-119		REAR COVER V10P-CODE K
N25-10-239		25VQ HSG WTH 35VQ PILOT & MTG BOLTS
N25-20-410		HOUSING - 25VQTV20, 4 BOLT FLANGE
V20-10-221		V20-P-6 HOUSING FRONT
MPN001043		REAR COVER V20-F-11
V20-10-210		V20 COVER FRONT, BLANK
N35-10-234		35VQD HOUSING FRONT
N20-20-310		20V10 REAR COVER

General

## Housings Cont.

For more information, please contact our sales department.

Metaris Part #	Alternative Part #	Description
N26-10-291		26VQ HOUSING FRONT, SPECIAL
N25-10-222		25VQ HOUSING FRONT, SPECIAL
N25-20-310		REAR COVER 25V10, PIGGYBACK
V21-30-010		V2010 INLET BODY
N25-20-100		25VQB REAR HOUSING - BLANK
N20-20-230		20VQ FLOW CONTROL COVER
V10-21-700		REAR COVER V10-CODE S
V10-22-239		REAR COVER V10F - CODE P
V10-22-229		REAR COVER V10F-CODE T
MPN080118		HOUSING REAR - 20VQF (TANDEM) 6GPM
V20-24-209		HOUSING REAR - V20NF
N26-10-431		26VQ HOUSING FRONT, SPECIAL
V10-22-222		REAR COVER V10F ASSY. CODE T - 2GPM
V10-22-223		HOUSING REAR - V10F - T - 3GPM
N20-20-220		HOUSING REAR - 2520,/3520 (SPEC.)
MPN007107		HOUSING CENTER - 3525VQ(231)
MPN090975		45VQ HOUSING FRONT
MPN090976		26VQ HOUSING FRONT, SPECIAL
MPN090977		45VQ HOUSING FRONT
MPN091452		COVER V10NF-2GPM
MPN095090		REAR COVER V10F ASSY. CODE P - 6GPM
MPN095375		4525 INLET BODY(w/Large Dowel Pins)
N20-15-101		HOUSING ASSEMBLY 20VQ
N25-10-229		25VQ HOUSING FRONT, SPECIAL
N25-15-101		HOUSING ASSEMBLY 25VQ
N25-20-120		25VQ REAR HOUSING B/D
N2520-15-101		HOUSING ASSEMBLY 2520VQ
N25-20-220		HOUSING REAR - 35/4525 (SPEC)
N26-20-110		HOUSING REAR - 26VQ (SPEC.)
N30-10-221		30VQ HOUSING FRONT
N30-15-101		HOUSING ASSEMBLY 30VQ
N30-15-102		HOUSING ASSEMBLY 30VQ/STR THREAD
N30-20-100		30VQ REAR HOUSING
N30-20-120		30V(Q) REAR HOUSING O-RING PORT
N35-10-229		35VQ HOUSING FRONT W/25VQ PILOT
N35-10-431		35VQ BODY

General

**Housings Cont.**

For more information, please contact our sales department.

Metaris Part #	Alternative Part #	Description
N35-15-101		HOUSING ASSEMBLY 35VQ
N3520-15-101		HOUSING ASSEMBLY 3520VQ
N3525-15-010		HOUSING ASSEMBLY 3525VQHADB
N3525-15-100		HOUSING ASSEMBLY 3525VQ
N3525-15-109		HOUSING ASSEMBLY 3525VQV10
N45-10-431		45VQ BODY
N45-15-010		HOUSING ASSEMBLY 45VQHADB
N45-15-101		HOUSING ASSEMBLY 45VQ
N4520-15-101		HOUSING ASSEMBLY 4520VQ
N4525-15-010		HOUSING ASSEMBLY 4525VQHADB
N4525-15-101		HOUSING ASSEMBLY 4525VQ
N4535-15-010		HOUSING ASSEMBLY 4535VQHADB
N4535-15-101		HOUSING ASSEMBLY 4535VQ
V10-10-210		V10 HOUSING FRONT, BLANK
V10-10-211		V10-P-20 HOUSING FRONT
V10-10-212		V10-S-20 HOUSING FRONT
V10-10-213		V10-T-10 HOUSING FRONT
V10-10-214		V10-BSPP HOUSING FRONT
V10-10-215		V10-F-20 HOUSING FRONT
V10-21-600		REAR COVER V10-CODE P
V10-21-809		REAR COVER V10-BSPP
V10-24-204		COVER V10NF-4G
V10-24-206		COVER V10NF-6G
V10-24-209		HOUSING REAR - V10NF
V20-10-211		V20-R-1 HOUSING FRONT
V20-10-212		V20-P-1 HOUSING FRONT
V20-10-214		V20-S-1 HOUSING FRONT
V20-10-215		V20-E-1 HOUSING FRONT
V20-10-216		V20-F-1 HOUSING FRONT
V20-10-217		V20-BSPP HOUSING FRONT
V20-10-222		V20-S-6 HOUSING FRONT
V20-10-223		V20-E-6 HOUSING FRONT
V20-10-601		V20-R-4 HOUSING FRONT
V20-10-603		V20-D-4 HOUSING FRONT
V20-10-604		V20-S-4 HOUSING FRONT
V20-20-000		V20 REAR COVER - BLANK



General

## Housings Cont.

For more information, please contact our sales department.

Metaris Part #	Alternative Part #	Description
V20-21-400		REAR COVER V20-P-11
V20-21-500		REAR COVER V20-S-11
V20-21-800		REAR COVER V20-BSPP
V20-22-229		REAR COVER V20F-T-22
V20-22-239		REAR COVER V20F-P-22
V20-22-259		REAR COVER V20F-S-22
V21-10-221		V2010/V2020 HOUSING FRONT
V21-10-223		V2010 /V2020 DES FRONT COVER
V22-21-800		REAR COVER V2020-30 BSPP
V42-10-290		VTM HOUSING FRONT, SPECIAL
V42-22-209		VTM REAR COVER

General

## Rotors

Metaris Part #	Alternative Part #	Description
N20-72-210	M402690	ROTOR 20VQ(S)
N20-72-220	M403539	ROTOR 20VQ(T)
N25-71-200	M584618	ROTOR 25V
N25-72-200	M270597	ROTOR 25VQ
N30-72-200	M262152	ROTOR 30VQ
N35-71-200	M575478	ROTOR 35V
N35-72-200	M262154	ROTOR 35VQ
N45-71-200	M578900	ROTOR 45V
N45-72-200	M283871	ROTOR 45VQ
V10-70-201	M317681	ROTOR V10-01/02/03
V10-70-202	M351247	ROTOR V10-04/05
V10-70-203	M357286	ROTOR V10-06/07
V20-70-201	M502255	ROTOR V20-05/06
V20-70-202	M502256	ROTOR V20-07/08/09
V20-70-203	M502257	ROTOR V20-10/11
V20-70-204	M502258	ROTOR V20-12/13
V20-70-404		ROTOR & VANE KIT V20 12-13 GPM
V21-70-201		ROTOR V2010-5/6
V21-70-202	M358335	ROTOR V2010-7/9
V21-70-203	M358336	ROTOR V2010-11
V21-70-204	M358337	ROTOR V2010-12/13

## Flex Plates

Metaris Part #	Alternative Part #	Description
N20-72-500	M416423	FLEX PLATE 20VQ
N20-72-510	M923955	FLEX PLATE KIT 20VQ
N25-72-500	M415520	FLEX PLATE 25VQ 30VQ
N25-72-510	M923956	FLEX PLATE KIT 25VQ 30VQ
N35-72-500	M413406	FLEX PLATE 35VQ
N35-72-510	M923953	FLEX PLATE KIT 35VQ
N45-72-500	M416444	FLEX PLATE 45VQ
N45-72-510	M923954	FLEX PLATE KIT 45VQ
N45-73-500	M426994	FLEX PLATE 45VQH-22

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- High Speed Motors
- Servo Motors
- Orbital Motors
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- Flow Control Valves
- Pressure Control Valves
- Relief Valves
- Check Valves
- Stack Valves
- Servo Valves
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Hydraulex Global Corporate  
48175 Gratiot Ave  
Chesterfield, MI 48051  
Toll Free: 800.422.4279  
Tel: 586.949.4240  
[www.hydraulex.com](http://www.hydraulex.com)

Hydraulex Global - Michigan Tel: 586.949.4240  
Hydraulex Global - Mississippi Tel: 601.469.1987  
Hydraulex Global - ON, Canada Tel: 416.638.6000  
Hydraulex Global - Washington Tel: 253.604.0400  
Hydraulex Global - Tennessee Tel: 901.794.2462

[sales@ahx1.com](mailto:sales@ahx1.com)  
[sales@metarisusa.com](mailto:sales@metarisusa.com)  
[sales@metaris.com](mailto:sales@metaris.com)  
[sales@h-r-d.com](mailto:sales@h-r-d.com)  
[sales@flinthydrostatics.com](mailto:sales@flinthydrostatics.com)



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