

## VACUUM AND CHARGING HOSES



Test and Charging Manifold

**YELLOW JACKET®**

Date Code 2015

4000psi (275 Bar) Min. burst • 800psi (55 Bar) Max. w.p.

Yellow Jacket Plus II™ Charging Hose • 4000psi (275 Bar) Min. burst • 800psi (55 Bar)

YELLOW JACKET® Plus II™ Charging Hose • 4000psi (275 Bar)




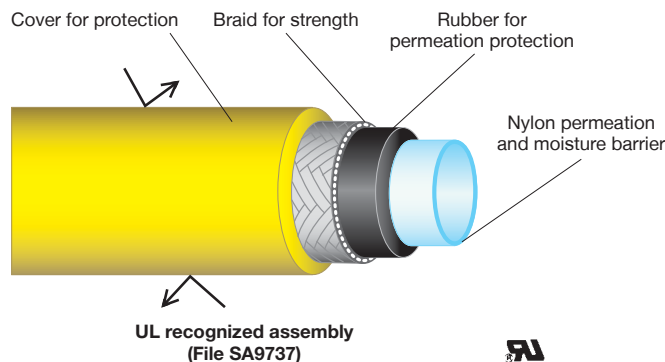
YELLOW JACKET®

## ***PLUS II™* Charging Hoses**

Double barrier protection for CFC, HCFC and HFC refrigerants



- 1/4" **PLUS II™** hoses are **UL recognized assemblies (File SA9737)**
- The nylon permeation barrier meets SAE requirements J2196 for CFC, HCFC and HFC refrigerants
- The moisture barrier provides improved resistance to moisture migration which contaminates expensive refrigerant
- 1/4" RYB **PLUS II™** hoses are rated for 4000 psi (276 bar) minimum burst and 800 psi (55 bar) maximum working pressure and an operating temperature of -20° to 180°F (-28.8° to 82.2°C)
- Minimum bend radius: 6" (152 mm)
- Made in the USA 



**PLUS II™ hoses with UL assemblies are available in the following configurations:**

- 1/4" with 1/4" flare fittings
- 1/4" with compact ball valve end
- 1/4" with SealRight™ low loss anti-blow back fitting
- 1/4" for 5/16" flare (1/2 – 20 thread) service ports for R-410A
- 1/4" with FlexFlow™ valve

| PLUS II™ hose - standard 1/4" flare fittings |        |       |       |  |
|--|--------|-------|-------|--|
| Length                                       | Yellow | Blue  | Red   | 3 pak*   |
| 12"  | 21012  | 21212 | 21612 | -  |
| 24"  | 21024  | 21224 | 21624 | -  |
| 36"  | 21036  | 21236 | 21636 | 21983  |
| 48'  | 21048  | 21248 | 21648 | 21984  |
| 60"  | 21060  | 21260 | 21660 | 21985  |
| 72"  | 21072  | 21272 | 21672 | 21986  |
| 96"  | 21096  | 21296 | 21696 | 21988  |
| 10'  | 21110  | 21310 | 21710 | -  |
| 12'  | 21112  | 21312 | 21712 | -  |
| 25'  | 21125  | 21325 | 21725 | -  |
| 50'  | 21150  | 21350 | 21750 | -  |
| 75'  | 21175  | 21375 | 21775 | -  |
| 100'   | 21200  | 21399 | 21799 | -  |
| Multi-length                                 |        |       |       | 21982 two 36", one 60"<br>21981 two 36", one 72" |


\* 3 pak includes a red, yellow and blue hose.

| Replacement parts |                                  |
|-------------------|----------------------------------|
| UPC#              | Description                      |
| 19020             | Replacement gasket (10 pak)      |
| 19302             | "Adjust-a-Valve" opener (10 pak) |

RECOVERY MACHINES  
VACUUM PUMP SYSTEMS  
VACUUM AND CHARGING HOSES  
HOSE ADAPTERS, VALVES AND PARTS  
CHARGING SYSTEMS  
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HEATING INSTRUMENTS  
LEAK MONITORS AND DETECTORS  
SYSTEM TOOLS

## PLUS II™ 1/4" HOSE With compact ball valve end



- Metal handle at end of hose fits tight areas and traps all the gas
- Full flow valve
- Uses standard gasket and valve opener
- Recommended for R-410A
- Made in the USA 


UL recognized assemblies (File SA9737)

| Compact ball valve end |        |       |       |       |       |
|------------------------|--------|-------|-------|-------|-------|
| Length                 | Yellow | Blue  | Red   | 3 pak | Black |
| 36"                    | 29036  | 29236 | 29636 | 29983 | -     |
| 48"                    | 29048  | 29248 | 29648 | 29984 | -     |
| 60"                    | 29060  | 29260 | 29660 | 29985 | 29595 |
| 72"                    | 29072  | 29272 | 29672 | 29986 | -     |
| 96"                    | 29096  | 29296 | 29696 | 29988 | -     |
| 10'                    | 29110  | 29310 | 29710 | -     | -     |
| 12'                    | 29112  | 29312 | 29712 | -     | -     |
| 25'                    | 29125  | 29325 | 29725 | -     | -     |
| 50'                    | 29150  | 29350 | 29750 | -     | -     |
| 75'                    | 29175  | 29375 | 29775 | -     | -     |
| 100'                   | 29199  | 29399 | 29799 | -     | -     |

| Replacement parts |                                  |
|-------------------|----------------------------------|
| UPC#              | Description                      |
| 19020             | Replacement gasket (10 pak)      |
| 19302             | "Adjust-a-Valve" opener (10 pak) |

## PLUS II™ 1/4" HOSE With FlexFlow™ valve



- Valve handle position shows when valve is opened or closed
- Metal handle and smaller ergonomic valve with zero restriction for maximum flow
- Flexible length of hose between valve and fitting makes access to tight areas easier
- Recommended for R-410A
- Made in the USA 

UL recognized assemblies (File SA9737)


| FlexFlow™ valve 8" from angle end |        |       |       |       |
|-----------------------------------|--------|-------|-------|-------|
| Length                            | Yellow | Blue  | Red   | 3 pak |
| 36"                               | 25036  | 25236 | 25636 | 25983 |
| 48"                               | 25048  | 25248 | 25648 | 25984 |
| 60"                               | 25060  | 25260 | 25660 | 25985 |
| 72"                               | 25072  | 25272 | 25672 | 25986 |
| 96"                               | 25096  | 25296 | 25696 | 25988 |
| 10'                               | 25110  | 25310 | 25710 | -     |
| 12'                               | 25112  | 25312 | 25712 | -     |
| 25'                               | 25125  | 25325 | 25725 | -     |
| 50'                               | 25150  | 25350 | 25750 | -     |
| 75'                               | 25175  | 25375 | 25775 | -     |
| 100'                              | 25199  | 25399 | 25799 | -     |

| Replacement parts |                                  |
|-------------------|----------------------------------|
| UPC#              | Description                      |
| 19020             | Replacement gasket (10 pak)      |
| 19302             | "Adjust-a-Valve" opener (10 pak) |

## PLUS II™ 1/4" HOSE With SealRight™ low loss anti-blow back fitting



UL recognized assemblies (File SA9737)

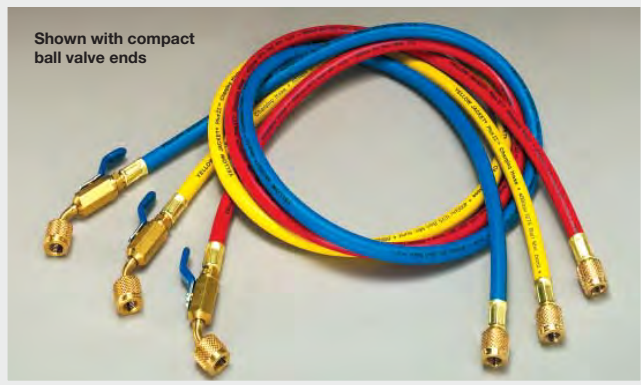
- Low loss anti-blow back SealRight fitting immediately traps refrigerant in the hose when disconnected, helping meet non-venting regulations and prevent finger burns
- 45° end for easy installation in tight areas
- Gaskets resist deterioration from existing CFC, HCFC and HFC refrigerants and oils
- Available with SealRight fittings on both ends
- Made in the USA 

| 45° SealRight fitting at one end |        |       |       |       |
|----------------------------------|--------|-------|-------|-------|
| Length                           | Yellow | Blue  | Red   | 3 pak |
| 12"                              | 22012  | 22212 | 22612 | -     |
| 24"                              | 22024  | 22224 | 22624 | -     |
| 36"                              | 22036  | 22236 | 22636 | 22983 |
| 48"                              | 22048  | 22248 | 22648 | 22984 |
| 60"                              | 22060  | 22260 | 22660 | 22985 |
| 72"                              | 22072  | 22272 | 22672 | 22986 |
| 96"                              | 22096  | 22296 | 22696 | 22988 |
| 10'                              | 22110  | 22310 | 22710 | -     |
| 12'                              | 22112  | 22312 | 22712 | -     |
| 25'                              | 22125  | 22325 | 22725 | -     |
| 50'                              | 22150  | 22350 | 22750 | -     |
| 75'                              | 22175  | 22375 | 22775 | -     |
| 100'                             | 22200  | 22399 | 22799 | -     |

| UPC#  | Multi-length 3 pak    |
|-------|-----------------------|
| 22981 | Two 36" RB, one 72" Y |
| 22982 | Two 36" RB, one 60" Y |

| Replacement parts |   |
|-------------------|---|
| UPC#              | Description   |
| 19020             | 1/4" and 5/16" Replacement gasket (10 pak)                              |
| 19037             | SealRight "O" ring (10 pak)   |
| 19038             | Plug and gasket   |
| 19039             | Nut and clip  |
| 19040             | SealRight repair kit with valve, gasket, plug, spring and two "O" rings |
| 19041             | Complete kit includes 19038, 19039 and 19040                            |

## PLUS II™ 1/4" HOSE For 5/16" flare (1/2 – 20 thread) service ports for R-410A



UL recognized assemblies (File SA9737)

- Available with standard fittings or compact ball valve
- Compatible with both POE and PVE oils
- Made in the USA

**PLUS II™ hose with 1/4" (7/16 – 20) Female flare on manifold connection and 5/16" (1/2 – 20) Female flare angled on service end**

| Standard fitting |        |       |       |
|------------------|--------|-------|-------|
| Length           | Yellow | Blue  | Red   |
| 36"              | 21403  | 21423 | 21463 |
| 60"              | 21405  | 21425 | 21465 |
| 72"              | 21406  | 21426 | 21466 |

**For use with R-410A tanks with 1/4" fittings**  
\*Yellow PLUS II™ hose with standard 1/4" (7/16 – 20) flare fittings

| Length |  | 3 pak                        |  |  |
|--------|--|------------------------------|--|--|
| 36"    |  | 21483 (21036*, 21423, 21463) |  |  |
| 60"    |  | 21485 (21060*, 21425, 21465) |  |  |
| 72"    |  | 21486 (21072*, 21426, 21466) |  |  |

**PLUS II™ hose with 5/16" (1/2 – 20) Female flare on manifold connection and 5/16" (1/2 – 20) Female flare angled on service end**

| Standard fitting |        |       |       |       |
|------------------|--------|-------|-------|-------|
| Length           | Yellow | Blue  | Red   | 3 pak |
| 36"              | 21503  | 21523 | 21563 | 21583 |
| 60"              | 21505  | 21525 | 21565 | 21585 |
| 72"              | 21506  | 21526 | 21566 | 21586 |

**PLUS II™ hose with compact ball valve (1/4" x 5/16")**

| Length | Yellow | Blue  | Red   | 3 pak |
|--------|--------|-------|-------|-------|
| 36"    | 29403  | 29423 | 29463 |       |
| 60"    | 29405  | 29425 | 29465 |       |
| 72"    | 29406  | 29426 | 29466 |       |

**For use with R-410A tanks with 1/4" fittings**  
\*Yellow PLUS II™ hose with 1/4" (7/16 – 20) compact ball valve fittings

| Length |  | 3 pak                        |  |  |
|--------|--|------------------------------|--|--|
| 36"    |  | 29483 (29036*, 29423, 29463) |  |  |
| 60"    |  | 29485 (29060*, 29425, 29465) |  |  |
| 72"    |  | 29486 (29072*, 29426, 29466) |  |  |

**Compact ball valve (RYB 5/16" x 5/16")**

| Length | Yellow | Blue  | Red   | 3 pak |
|--------|--------|-------|-------|-------|
| 36"    | 29003  | 29203 | 29603 | 29993 |
| 60"    | 29005  | 29205 | 29605 | 29995 |
| 72"    | 29006  | 29206 | 29606 | 29996 |

**Replacement parts**

| UPC#  | Description                                |
|-------|--|
| 19020 | 1/4" and 5/16" Replacement gasket (10 pak) |
| 19302 | "Adjust-a-Valve" opener (10 pak)           |

## 9" FlexFlow™ AND LOW LOSS ADAPTER HOSES



UL recognized assemblies (File SA9737) (Valves SA10088) (except 25802 and 26002)

- Easy retrofit of existing PLUS II™ hoses with ball valve capabilities
- Flexible hose between valve and fitting for handling in tight areas
- Operating temperature -20° to 180°F (-28.8° to 82.2°C)\*\*
- 800 psi working pressure\*\*\*
- Minimum bend radius: 8" (203 mm)
- Made in the USA

**Compact ball valve assemblies**

| UPC#  | Description                           |
|-------|---------------------------------------|
| 29001 | 1/4" Yellow ball valve adapter        |
| 29201 | 1/4" Blue ball valve adapter          |
| 29601 | 1/4" Red ball valve adapter           |
| 29980 | 29001, 29201, 29601 (3 pak)           |
| 93843 | 1/4" Compact ball valve – 45°         |
| 93842 | 1/4" Compact ball valve – 45° (3 pak) |

**FlexFlow™ assemblies**

| UPC#  | Description                                |
|-------|--|
| 25002 | 1/4" Yellow FlexFlow adapter               |
| 25202 | 1/4" Blue FlexFlow adapter                 |
| 25602 | 1/4" Red FlexFlow adapter                  |
| 25980 | 25002, 25202, 25602 (3 pak)                |
| 25802 | 1/4" Heavy duty FlexFlow adapter*          |
| 26002 | 3/8" Heavy duty FlexFlow adapter**/***     |
| 26202 | Yellow standard "B" FlexFlow adapter**/*** |
| 27002 | Acme 1/2" Yellow FlexFlow adapter          |
| 19095 | Set of 2 handles and screws                |

\*25802 and 26002: Operating temperature -22° to 176°F (-30° to 80°C)  
\*\*26202: Operating temperature -20° to 200°F (-28.8° to 93.3°C)  
\*\*\*26002 and 26202: 3000 psi (207 bar) burst and 600 psi (41 bar) working pressures

**Replacement parts**


| UPC#  | Description                      |
|-------|----------------------------------|
| 19011 | 3/8" Replacement gasket (10 pak) |
| 19020 | 1/4" Replacement gasket (10 pak) |
| 19302 | "Adjust-a-Valve" opener (10 pak) |

Underwriters Laboratories Inc. Registered Component Mark – applies to all standard 1/4" PLUS II™ and 1/4" RYB FlexFlow™ hoses on pages 21-23.



## PLUS II™ 3/8" "B" CHARGING HOSE

PLUS II™ features in a larger volume hose for fast, high vacuum or charging.

- 3000 psi (207 bar) minimum burst, 600 psi (41 bar) maximum working pressure
- Operating temperature -20° to 180°F (-28.8° to 82.2°C)
- Minimum bend radius: 6" (152 mm)
- Large selection of fittings available
- Made in the USA 


| Replacement parts |                                  |
|-------------------|----------------------------------|
| UPC#              | Description                      |
| 19011             | 3/8" Replacement gasket (10 pak) |

| Length | Common selections             |       |       |                     |                          | Other selections |       |                          |                          |       |
|--------|-------------------------------|-------|-------|---------------------|--------------------------|------------------|-------|--------------------------|--------------------------|-------|
|        | 3/8" Str. fl. x 3/8" Str. fl. |       |       | 3/8" fl. x FlexFlow | 3/8" Str. fl. x 3/8" 45° |                  |       | 3/8" Str. fl. x 3/8" 90° | 1/4" Str. fl. x 1/4" 45° |       |
|        | Yellow                        | Blue  | Red   |                     | Yellow                   | Blue             | Red   |                          |                          |       |
| 36"    | 14536                         | B36   | 27836 | 28036               | 26236                    | 18136            | 28236 | 28436                    | 20036                    | 20436 |
| 48"    | 14548                         | B48   | 27848 | 28048               | 26248                    | 18148            | 28248 | 28448                    | 20048                    | 20448 |
| 60"    | 14560                         | B60   | 27860 | 28060               | 26260                    | 18160            | 28260 | 28460                    | 20060                    | 20460 |
| 72"    | 14572                         | B72   | 27872 | 28072               | 26272                    | 18172            | 28272 | 28472                    | 20072                    | 20472 |
| 96"    | 14596                         | B96   | 27896 | 28096               | 26296                    | 18196            | 28296 | 28496                    | 20096                    | 20496 |
| 10'    | 14610                         | B120  | 27910 | 28110               | 26310                    | 18210            | 28310 | 28510                    | 20110                    | 20510 |
| 12'    | 14612                         | B144  | 27912 | 28112               | 26312                    | 18212            | 28312 | 28512                    | 20112                    | 20512 |
| 25'    | 14625                         | B300  | 27925 | 28125               | 26325                    | 18225            | 28325 | 28525                    | 20125                    | 20525 |
| 50'    | 14650                         | B600  | 27950 | 28150               | 26350                    | 18250            | 28350 | 28550                    | 20150                    | 20550 |
| 75'    | 14675                         | B900  | 27975 | 28175               | 26375                    | 18275            | 28375 | 28575                    | 20175                    | 20575 |
| 100'   | 14699                         | B1200 | 27999 | 28199               | 26399                    | 18299            | 28399 | 28599                    | 20199                    | 20599 |



## PLUS II™ 1/4" HEAVY DUTY CHARGING HOSE

Heavy duty construction for substantially increased service life.


- Flexibility for all-weather easy handling
- Pulls 75 micron vacuum or better on 36" hose
- 4000 psi (276 bar) minimum burst, 800 psi (55 bar) maximum working pressure
- Operating temperature -22° to 176°F (-30° to 80°C)
- Minimum bend radius: 6" (152 mm)
- Made in the USA 

| Replacement parts |                                  |
|-------------------|----------------------------------|
| UPC#              | Description                      |
| 19020             | Replacement gasket (10 pak)      |
| 19302             | "Adjust-a-Valve" opener (10 pak) |

| Length | Common selections     |           |                     | Other selections     |   |         |                      |         |
|--------|-----------------------|-----------|---------------------|----------------------|---|---------|----------------------|---------|
|        | HCA hose Str. x angle |           | Hose with FlexFlow™ | Hose with ball valve | HCL hose Str. x 90°                                   |         | HCS hose Str. x Str. |         |
| 12"    | 15012                 | HCA-12"   | -                   | -                    | 15212   | HCL-12" | 15412                | HCS-12" |
| 24"    | 15024                 | HCA-24"   | -                   | -                    | 15224   | HCL-24" | 15424                | HCS-24" |
| 36"    | 15036                 | HCA-36"   | 25836               | 29836                | 15236   | HCL-36" | 15436                | HCS-36" |
| 48"    | 15048                 | HCA-48"   | 25848               | 29848                | 15248   | HCL-48" | 15448                | HCS-48" |
| 60"    | 15060                 | HCA-60"   | 25860               | 29860                | 15260   | HCL-60" | 15460                | HCS-60" |
| 72"    | 15072                 | HCA-72"   | 25872               | 29872                | 15272   | HCL-72" | 15472                | HCS-72" |
| 96"    | 15096                 | HCA-96"   | 25896               | 29896                | 15296   | HCL-96" | 15496                | HCS-96" |
| 10'    | 15110                 | HCA-120"  | 25910               | 29910                | Black only. Longer lengths available. Please specify. |         |                      |         |
| 12'    | 15112                 | HCA-144"  | 25912               | 29912                |   |         |                      |         |
| 25'    | 15125                 | HCA-300"  | 25925               | 29925                |   |         |                      |         |
| 50'    | 15150                 | HCA-600"  | 25950               | 29950                |   |         |                      |         |
| 75'    | 15175                 | HCA-900"  | 25975               | 29975                |   |         |                      |         |
| 100'   | 15199                 | HCA-1200" | 25999               | 29999                |   |         |                      |         |

## PLUS II™ 3/8" HEAVY DUTY COMBINATION CHARGING/VACUUM HOSE

Pulls a vacuum much faster than the 1/4" hose.

- Operating temperature -22° to 176°F (- 30° to 80°C)
- 3000 psi (207 bar) minimum burst, 600 psi (41 bar) maximum working pressure
- Minimum bend radius: 8" (203 mm)
- Made in the USA 




| Replacement parts |                                  |
|-------------------|----------------------------------|
| UPC#              | Description                      |
| 19020             | 1/4" Replacement gasket (10 pak) |
| 19011             | 3/8" Replacement gasket (10 pak) |
| 19302             | "Adjust-a-Valve" opener (10 pak) |

| Common selections |                               |                           |                     | Other selections    |  |                     |  |
|-------------------|-------------------------------|---------------------------|---------------------|---------------------|--|---------------------|--|
| Length            | 3/8" Str. fl. x 3/8" Str. fl. | 3/8" Str. fl. x FlexFlow™ | 3/8" fl. x 3/8" 45° | 3/8" fl. x 3/8" 90° | 3/8" fl. x 1/4" 45°  | 1/4" fl. x 1/4" 45° |  |
| 36"               | 15636 BC-36"                  | 26036                     | 19636               | 19836               | 16236 BCA-36"  | 20236               |  |
| 48"               | 15648 BC-48"                  | 26048                     | 19648               | 19848               | 16248 BCA-48"  | 20248               |  |
| 60"               | 15660 BC-60"                  | 26060                     | 19660               | 19860               | 16260 BCA-60"  | 20260               |  |
| 72"               | 15672 BC-72"                  | 26072                     | 19672               | 19872               | 16272 BCA-72"  | 20272               |  |
| 96"               | 15696 BC-96"                  | 26096                     | 19696               | 19896               | 16296 BCA-96"  | 20296               |  |
| 10'               | 15710 BC-120"                 | 26110                     | 19710               | 19910               | Longer lengths available. Please specify. Longer than 8' not recommended for evacuation. | 20310               |  |
| 12'               | 15712 BC-144"                 | 26112                     | 19712               | 19912               |  | 20312               |  |
| 25'               | 15725 BC-300"                 | 26125                     | 19725               | 19925               |  | 20325               |  |
| 50'               | 15750 BC-600"                 | 26150                     | 19750               | 19950               |  | 20350               |  |
| 75'               | 15775 BC-900"                 | 26175                     | 19775               | 19975               |  | 20375               |  |
| 100'              | 15799 BC-1200"                | 26199                     | 19799               | 19999               |  | 20399               |  |

## PLUS II™ 1/2" AND 5/8" HEAVY DUTY COMBINATION CHARGING/VACUUM HOSE

Heavy duty construction with PLUS II™ barrier technology reduces permeation and vacuum loss. Large I.D. reduces vacuum time substantially over 1/4" or 3/8" hose.

- Pull a more complete vacuum
- Faster refrigerant transfer
- Faster charging on large systems
- 3000 psi (207 bar) minimum burst, 600 psi (41 bar) maximum working pressure
- Operating temperature -22° to 176°F (-30° to 80°C)
- Other fittings available on request
- Minimum bend radius: 10" (254 mm)
- Made in the USA 



| Replacement parts |                                   |
|-------------------|-----------------------------------|
| UPC#              | Description                       |
| 19015             | 1/2" and 5/8" Replacement gaskets |
| 19020             | 1/4" Replacement gasket (10 pak)  |
| 19011             | 3/8" Replacement gasket (10 pak)  |
| 19302             | "Adjust-a-Valve" opener (10 pak)  |

| Common selections |                         |                         |  | Other selections               |                     |                     |  |
|-------------------|-------------------------|-------------------------|--|--------------------------------|---------------------|---------------------|--|
| Length            | "C" 1/2" fl. x 1/2" fl. | "D" 5/8" fl. x 5/8" fl. | "CA" 1/4" angle end x 1/2" fl.   | "DA" 1/4" angle end x 5/8" fl. | 1/2" fl. x 3/8" fl. | 3/8" fl. x 3/8" fl. |  |
| 36"               | 15836 C-36"             | 16036 D-36"             | 16436 CA-36  | 16636 DA-36                    | 19236               | 20636               |  |
| 48"               | 15848 C-48"             | 16048 D-48"             | 16448 CA-48  | 16648 DA-48                    | 19248               | 20648               |  |
| 60"               | 15860 C-60"             | 16060 D-60"             | 16460 CA-60  | 16660 DA-60                    | 19260               | 20660               |  |
| 72"               | 15872 C-72"             | 16072 D-72"             | 16472 CA-72  | 16672 DA-72                    | 19272               | 20672               |  |
| 96"               | 15896 C-96"             | 16096 D-96"             | 16496 CA-96  | 16696 DA-96                    | 19296               | 20696               |  |
| 10'               | 15910 C-120"            | 16110 D-120"            | 36" hose will pull to 25 microns and lower. Hoses longer than 8' not recommended for evacuation. |                                | 19310               | 20710               |  |
| 12'               | 15912 C-144"            | 16112 D-144"            |  |                                | 19312               | 20712               |  |
| 25'               | 15925 C-300"            | 16125 D-300"            |  |                                | 19325               | 20725               |  |
| 50'               | 15950 C-600"            | 16150 D-600"            |  |                                | 19350               | 20750               |  |

Black only. Longer lengths available. Specify type, length and fitting combination.

RECOVERY MACHINES  
VACUUM PUMP SYSTEMS  
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HOSE ADAPTERS, VALVES AND PARTS  
CHARGING SYSTEMS  
GAUGES  
WIRELESS AND ELECTRONIC INSTRUMENTS  
HEATING INSTRUMENTS  
LEAK MONITORS AND DETECTORS  
SYSTEM TOOLS

## PLUS II™ 3/4" HEAVY DUTY CHARGING HOSE



Large 3/4" I.D. designed to save time in charging or evacuation of centrifugals and other large systems.

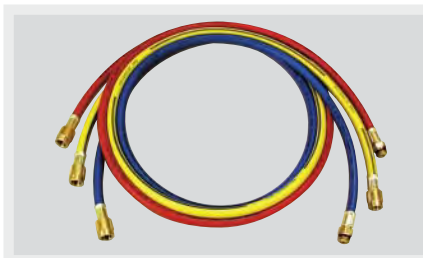
- Constructed for heavy duty use with most refrigerants
- 3000 psi (206 bar) minimum burst, 600 psi (41 bar) maximum working pressure
- Available with steel 3/4" Female, 3/4" Male flares, 3/4" Male pipe or hex fittings
- Operating temperature -20° to 200°F (-28.8° to 93.3°C)
- Minimum bend radius: 12" (305 mm)
- Not for use with NH<sub>3</sub>

| Length | 3/4" fl. x 3/4" fl. – "O" ring seal | 3/4" hex x 3/4" hex copper gasket seal |
|--------|-------------------------------------|--|
| 12"    | 18412 E-12"                         | 20812                                  |
| 24"    | 18424 E-24"                         | 20824                                  |
| 36"    | 18436 E-36"                         | 20836                                  |
| 48"    | 18448 E-48"                         | 20848                                  |
| 60"    | 18460 E-60"                         | 20860                                  |
| 72"    | 18472 E-72"                         | 20872                                  |
| 96"    | 18496 E-96"                         | 20896                                  |
| 10'    | 18510 E-120"                        | 20910                                  |
| 12'    | 18512 E-144"                        | 20912                                  |
| 25'    | 18525 E-300"                        | 20925                                  |
| 50'    | 18550 E-600"                        | 20950                                  |

### Replacement parts

| UPC#  | Description        |
|-------|--------------------|
| 19012 | 3/4" "O" ring      |
| 59655 | 3/4" Copper gasket |

## AUTOMOTIVE MANIFOLD HOSES FOR R-134A SYSTEMS



These 1/4" hoses combine PLUS II™ hose with 1/2" Acme fittings to meet SAE requirements. You get PLUS II™ double barrier protection in a hose manufactured specifically for automotive applications. Fitting threads are 1/2" Acme Female and 14 mm Male fittings.

| Color  | Yellow                        | Blue                       | Red                        | 3 pak |
|--------|-------------------------------|----------------------------|----------------------------|-------|
| Length | SealRight Straight x 45° Acme | 1/2" fe. Acme x 14 mm Male | 1/2" fe. Acme x 14 mm Male |       |
| 60"    | 27460                         | 27660                      | 27260                      | 27102 |
| 72"    | 27472                         | 27672                      | 27272                      | 27101 |
| 96"    | 27496                         | 27696                      | 27296                      | 27104 |
| 10'    | 27510                         | 27710                      | 27310                      | 27103 |

## AUTOMOTIVE CHARGING MANIFOLD AND HOSES FOR 1234YF SYSTEMS



Charging manifold and hoses designed specifically for 1234yf. Manifold body made of lightweight forged aluminum alloy for handling ease and the durability and reliability required for repeated use. Hoses SAE J2788 approved.

| Color  | Yellow                           | Blue                            | Red   |
|--------|----------------------------------|---------------------------------|-------|
| Length | 3/16" hose (12 mm barb x 45° QC) | 3/16" hose (12 mm x 12 mm barb) |       |
| 36"    | 17803                            | 17823                           | 17863 |
| 48"    | 17804                            | 17824                           | 17864 |
| 60"    | 17805                            | 17825                           | 17865 |
| 72"    | 17806                            | 17826                           | 17866 |
| 96"    | 17808                            | 17828                           | 17868 |
| 120"   | 17810                            | 17830                           | 17870 |
| 144"   | 17812                            | 17832                           | 17872 |
| 180"   | 17815                            | 17835                           | 17875 |

### 1234yf Test & Charging Manifold

|       |   |
|-------|---|
| 49849 | TITAN 2-Valve Manifold with 72 PLUS II™ SAE RYB hoses with couplers, R/B gauges, bar/psi/kPa, R1234yf, °F |
|-------|---|

## SPECIAL 1/4" PLUS II™ CHARGING HOSES

YELLOW JACKET 1/4" yellow charging hoses with special fittings include straight, 3/8" and 90° fittings. Red and blue hoses also available.

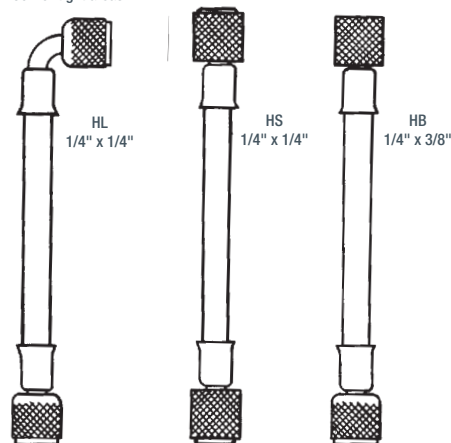
| Length | 1/4" fl. x 1/4" 90° fl. | 1/4" fl. x 1/4" fl. | 1/4" fl. x 3/8" fl. |
|--------|-------------------------|---------------------|---------------------|
| 36"    | 12036 HL36              | 13036 HS36          | 14036 HB36          |
| 48"    | 12048 HL48              | 13048 HS48          | 14048 HB48          |
| 60"    | 12060 HL60              | 13060 HS60          | 14060 HB60          |
| 72"    | 12072 HL72              | 13072 HS72          | 14072 HB72          |

Longer lengths available. Please specify.

### Replacement parts

| UPC#  | Description/Quantity                            |
|-------|---|
| 19010 | 1/4" Gasket (6 pak) and valve depressor (3 pak) |
| 19020 | Replacement gasket (10 pak)                     |
| 19302 | "Adjust-a-Valve" opener (10 pak)                |

90° for tight areas



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# HOSE COMPARISON CHART

| 1/4" Flexible hoses   | 3/8" Flexible hoses  | 1/2" and 5/8" Flexible hoses   |
|---|--|--|
| Easily connects to 1/4" Male flare access fitting on system   | Evacuates and charges faster than 1/4" hose  | Evacuates and charges faster than 1/4" hose<br><br>Allows you to pull a deeper vacuum<br><br>More efficient job of removing moisture and contaminants from the system  |
| <b>PLUS II™ 1/4" Charging hose (SealRight™, FlexFlow and ball valve ends)</b><br><br>Adjust-a-Valve™ valve core depressor easily opens all out-of-tolerance Schrader valves (SealRight hoses offer different technology)<br><br><i>PLUS II™</i> hoses offer double barrier protection<br><br>Nylon layer for permeation, braid for strength, and outer cover for protection<br><br>Fully UL recognized assemblies (File SA9737) | <b>PLUS II™ 3/8" Charging hose</b><br><br><i>PLUS II™</i> hoses with double barrier protection | <b>PLUS II™ 1/2" and 5/8" Charging hose</b><br><br><i>PLUS II™</i> hoses with double barrier protection<br><br>Large I.D. reduces vacuum time substantially over 1/4" or 3/8" hose<br><br>Faster refrigerant transfer and faster charging on large systems<br><br>Wide selection of fittings are available |
| <b>Temp:</b> -20° to 180°F (-28.8° to 82.2°C)   | <b>Temp:</b> -20° to 180°F (-28.8° to 82.2°C)  | <b>Temp:</b> -22° to 176°F (-30° to 80°C)  |
| <b>Burst:</b> 4000 psi (276 bar) minimum  | <b>Burst:</b> 3000 psi (207 bar) minimum   | <b>Burst:</b> 3000 psi (207 bar) minimum   |
| <b>Working:</b> 800 psi (55 bar) maximum  | <b>Working:</b> 600 psi (41 bar) maximum   | <b>Working:</b> 600 psi (41 bar) maximum   |
| <b>Safety factor:</b> 5 to 1  | <b>Safety factor:</b> 5 to 1   | <b>Safety factor:</b> 5 to 1   |
| <b>Available lengths:</b> 12 inches to 100 feet   | <b>Available lengths:</b> 12 inches to 100 feet  | <b>Available lengths:</b> 12 inches to 100 feet  |



The "Adjust-a-Valve" valve core depressor easily opens out-of-tolerance Schrader valves. Simply adjust height with needle nose pliers. Designed for repeat usage; replacement is convenient.

### Inspect your hoses on a regular basis.

Since 1964, YELLOW JACKET 1/4" charging hoses have "year of manufacture" coded or listed on the rim of the nut. Prior to 2006, a series of I's, X's, O's, A's, B's or C's indicated the year. Since mid-2006, the actual year of manufacture has been used. **If your hoses are more than five years old, we recommend that you replace them.**

| Fittings available PLUS II™ hoses |      |     |     |
|-----------------------------------|------|-----|-----|
| Type                              | Str. | 45° | 90° |
| 1/8" Female flare                 |      |     |     |
| 3/16" Female flare                |      |     |     |
| 1/4" Female flare                 |      |     |     |
| 1/4" Female SealRight™            |      |     |     |
| 3/8" Female flare                 |      |     |     |
| 5/16" Female flare                |      |     |     |
| 1/4" Male flare                   |      |     |     |
| 1/8" NPT Male                     |      |     |     |
| 1/4" NPT Male                     |      |     |     |
| 1/2" Female Acme                  |      |     |     |
| 14 mm Male                        |      |     |     |

Not all hose and fitting combinations are listed in this catalog. Ask for specifics.

|          |      |             |      |
|----------|------|-------------|------|
| 6        | 1964 | 4 BBBB      | 1997 |
| 1        | 1970 | 3 BBB       | 1998 |
| 6 IIIIII | 1971 | 2 BB        | 1999 |
| 1 I      | 1976 | 1 B         | 2000 |
| 6 XXXXXX | 1977 | 6 CCCCCC    | 2001 |
| 1 X      | 1982 | 5 CCCCC     | 2002 |
| 6 OOOOOO | 1983 | 4 CCCC      | 2003 |
| 1 O      | 1988 | 3 CCC       | 2004 |
| 6 AAAAAA | 1989 | 2 CC        | 2005 |
| 1 A      | 1994 | 1 C or 2006 | 2006 |
| 6 BBBBBB | 1995 | 2007        | 2007 |
| 5 BBBBB  | 1996 |             |      |

All after 2007 are stamped with year of mfg.

| Ounces of liquid held per foot of hose at 80° F |      |      |        |        |        |        |       |
|---|------|------|--------|--------|--------|--------|-------|
| Hose type                                       | R-12 | R-22 | R-134a | R-404A | R-407C | R-410A | R-502 |
| 1/4" PLUS II™                                   | 0.36 | 0.33 | 0.33   | 0.29   | 0.31   | 0.29   | 0.33  |
| 1/4" Heavy duty                                 | 0.34 | 0.31 | 0.32   | 0.27   | 0.30   | 0.28   | 0.32  |
| 3/8" PLUS II™                                   | 0.85 | 0.77 | 0.78   | 0.67   | 0.73   | 0.68   | 0.78  |
| 3/8" Heavy duty                                 | 0.85 | 0.77 | 0.78   | 0.67   | 0.73   | 0.68   | 0.78  |
| 1/2" Heavy duty                                 | 1.85 | 1.68 | 1.70   | 1.47   | 1.60   | 1.49   | 1.71  |
| 3/4" Heavy duty                                 | 3.89 | 3.53 | 3.58   | 3.09   | 3.37   | 3.13   | 3.60  |

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## AMMONIA CHARGING HOSE



Available black only

Designed with steel quick couplers at both ends. Features include:

- Regular CH20 gaskets for 1/4" hoses (19010, 19020). CH11 gaskets for 3/8" hoses (19011)
- 1/4" and 3/8" – 2500 psi (172 bar) minimum burst, 500 psi (34 bar) maximum working pressure
- 1/4" operating temperature -20° to 176°F (-28.8° to 80°C) and minimum bend radius: 6" (152 mm)
- 3/8" operating temperature -22° to 176°F (-30° to 80°C) and minimum bend radius: 8" (203 mm)
- Made in the USA

| 1/4" Str. fl. x 1/4" 45° |          |        | 3/8" Str. fl. both ends |          |
|--------------------------|----------|--------|-------------------------|----------|
| UPC#                     | Part#    | Length | UPC#                    | Part#    |
| 16848                    | NHA-48"  | 48"    | 19448                   | NBC-48"  |
| 16872                    | NHA-72"  | 72"    | 19472                   | NBC-72"  |
| 16896                    | NHA-96"  | 96"    | 19496                   | NBC-96"  |
| 16910                    | NHA-120" | 10'    | 19510                   | NBC-120" |
| 16912                    | NHA-144" | 12'    | 19512                   | NBC-144" |

| Steel half union ammonia fittings |                                    |
|-----------------------------------|------------------------------------|
| UPC#                              | Description                        |
| 16801                             | 1/4" Male fl. x 1/4" NPT Male Str. |
| 16802                             | 1/4" Male fl. x 1/4" NPT Male 90°  |
| 16803                             | 3/8" Male fl. x 1/4" NPT Male      |

NH<sub>3</sub> manifold on page 46.

## CYLINDER VALVE HOSES With finger tight drum fitting

Designed for finger tight operation on 125 lb. and 145 lb. refrigerant cylinders. Gaskets seal without wrenches.



| UPC#  | L.  | Part#  | Type            | Fittings                     | Burst pressure     | Working pressure | Operating temp.               | Min. bend radius |
|-------|-----|--------|-----------------|------------------------------|--------------------|------------------|-------------------------------|------------------|
| 18612 | 12" | CVX-12 | 1/4" Heavy duty | 1/4" Male flare x 3/4" NPS   | 4000 psi (276 bar) | 800 psi (55 bar) | -22 to 176 (-30° to 80°C)     | 6" (152 mm)      |
| 18912 | 12" | CVY-12 | 3/8" Heavy duty | 3/8" Male flare x 3/4" NPS   | 3000 psi (207 bar) | 600 psi (41 bar) | -22 to 176 (-30° to 80°C)     | 8" (203 mm)      |
| 18072 | 72" | CVH-72 | 1/4" Original   | 1/4" Female flare x 3/4" NPS | 2500 psi (172 bar) | 500 psi (34 bar) | -20 to 180 (-28.8° to 82.2°C) | 6" (152 mm)      |
| 18372 | 72" | CVB-72 | 3/8" Standard   | 3/8" Female flare x 3/4" NPS | 3000 psi (207 bar) | 600 psi (41 bar) | -20 to 200 (-28.8° to 93.3°C) | 6" (152 mm)      |

## FUEL OIL ASSEMBLY HOSES

Reinforced hose designed for quick pump to nozzle connection and oil burner connections.

- Flexible to absorb vibration and swelling while providing positive cut-off
- 4000 psi (276 bar) minimum burst and 800 psi (55 bar) maximum working pressure
- Operating temperature -20° to 180°F (-28.8° to 82.2°C)
- Minimum bend radius: 6" (152 mm)
- Made in the USA



| UPC#  | Length | Description  |
|-------|--------|--|
| 78041 | 12"    | 3/16" Female flare x 3/16" Female flare Pump to nozzle connector                 |
| 78042 | 12"    | 1/4" Female flare x 1/4" Female flare Pump to nozzle connector                   |
| 78112 | 12"    | 1/8" NPT Female swivel x 1/8" NPT Male Pump to nozzle connector or gauge to pump |
| 78043 | 18"    | 3/16" Female flare x 3/16" Female flare Pump to nozzle connector                 |
| 78044 | 18"    | 1/4" Female flare x 1/4" Female flare Pump to nozzle connector                   |

Longer lengths available.

## OIL PUMP VIBRATION ELIMINATOR

Reinforced rubber hose helps eliminate noise and vibration when installed in a heating system.

- 3000 psi (207 bar) minimum burst, 600 psi (41 bar) maximum working pressure
- Operating temperature -20° to 180°F (-28.8° to 82.2°C)
- Minimum bend radius: 6" (152 mm)



| UPC#  | Length | Description  |
|-------|--------|--|
| 78012 | 12"    | 3/8" Male flare x 1/4" NPT Male oil burner connector |

# HIGH PRESSURE CONTROL HOSE

## For HFC, HCFC and CFC refrigerants



The YELLOW JACKET® pressure control hose is constructed of a thermoplastic polymer inner tube and cover. This new material eliminates the vibration problems that are present in copper capillary tube installations.

The higher temperature ratings of this thermoplastic to 266° F eliminate the failures caused by maximum load conditions on rubber type pressure control hoses.

Between the inner tube and the cover, the hose is reinforced with a polyester braid of high tensile strength with high modulus, giving it the ability to withstand higher pressures.

Available in any combination of 1/4" or 3/8" brass SAE flare straight or 90° angle fittings. Hex nuts are steel and finished with black zinc. Copper gaskets provide the best possible seal.

- Improved permeation characteristics. R-134a permeation tested at: 0.188 oz./ft./yr. 0.0118 lb./ft./yr 17.6 gr./m./yr.
- Results with other refrigerants will also show superior performance characteristics
- For use with most HFCs such as R-134a, R-404A, R-407A, R-407B, R-407C, R-410A and R-507, and HCFC such as R-22
- Usable oil types include polyol ester, alkylbenzene and mineral oils.

### Specifications

I.D.: .156" (4.0 mm)  
 O.D.: .325" (8.2 mm)  
 Working pressure: 800 psi, 55 bar, 5.5 MPa  
 Burst pressure: 4000 psi, 276 bar, 27.6 MPa  
 Minimum temperature: -49° F (-44° C)  
 Maximum temperature: 266° F (130° C)  
 Minimum bend radius: 4" (102 mm)

| Length*<br>(assembly) | UPC#             |                 |                |                  |                 |
|-----------------------|------------------|-----------------|----------------|------------------|-----------------|
|                       | 1/4" Str. x Str. | 1/4" Str. x 90° | 1/4" 90° x 90° | 3/8" Str. x Str. | 3/8" Str. x 90° |
| 12"                   | 78612            | 78712           | 78812          | 78912            | 79112           |
| 18"                   | 78618            | 78718           | 78818          | 78918            | 79118           |
| 24"                   | 78624            | 78724           | 78824          | 78924            | 79124           |
| 30"                   | 78630            | 78730           | 78830          | 78930            | 79130           |
| 36"                   | 78636            | 78736           | 78836          | 78936            | 79136           |
| 48"                   | 78648            | 78748           | 78848          | 78948            | 79148           |
| 60"                   | 78660            | 78760           | 78860          | 78960            | 79160           |
| 72"                   | 78672            | 78772           | 78872          | 78972            | 79172           |
| 96"                   | 78696            | 78796           |                |                  |                 |

\* Special lengths are readily available.



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# STAINLESS STEEL HOSE SPECIFICATIONS

YELLOW JACKET stainless steel assemblies are 300 series corrugated hose and braid for applications where temperature and pressure could be a problem.

With stainless steel braid wrapping a stainless steel core, all hoses on this page prevent permeation and moisture infusion. Use with all standard refrigeration oils and refrigerants, as well as the new alternative oils and refrigerants including R-123.

Applications: vacuum and charging, vibration isolation, movable components and permanent application. **Not for use with NH<sub>3</sub>.**

Standard and custom length assemblies are made to order. Minimum length 12."


| Stainless steel hose specifications |                  |                     |                       |                                 |
|-------------------------------------|------------------|---------------------|-----------------------|---------------------------------|
| Size                                | Max psi working* | Flexing bend radius | Permanent bend radius | Temperature/pressure correction |
| 1/4"                                | 1275 (88 bar)    | 5.5"                | 1"                    | 68°F - 1.00                     |
| 3/8"                                | 1000 (69 bar)    | 6.5"                | 1-1/4"                | 200°F - .86                     |
| 1/2," 5/8"                          | 1000 (69 bar)    | 8.5"                | 1-1/2"                | 300°F - .80                     |
| 3/4," 7/8"                          | 725 (50 bar)     | 10"                 | 2"                    | 400°F - .78                     |
| 1," 1-1/8"                          | 700 (48 bar)     | 11.5"               | 2-3/4"                | 500°F - .77                     |
| 1-1/4," 1-3/8"                      | 550 (38 bar)     | 13"                 | 3-1/4"                | 800°F - .76                     |
|                                     |                  |                     |                       | 900°F - .74                     |
|                                     |                  |                     |                       | 1000°F - .70                    |

\* PSI at 68°F with a 4-to-1 safety factor. Core is T-321 SS with 300 Series SS braid.

## QUICK COUPLER ASSEMBLY

### For vacuum and charging

Oversized to increase flow and speed evacuation. Pull 25 microns and better on 36" length.

- Brass quick coupler
- Standard 45° angle at one end on 1/4" and 3/8" (90° available)
- Straight fittings only on 1/2", 5/8" and 3/4"
- Made in the USA 




| Length | Str. x 45° 1/4" I.D. | Str. x 45° 3/8" I.D. | Str. x Str. 1/2" I.D. | Str. x Str. 5/8" I.D. | Str. x Str. 3/4" I.D. |
|--------|----------------------|----------------------|-----------------------|-----------------------|-----------------------|
| 36"    | 81636                | 81736                | 81836                 | 81936                 | 82036                 |
| 48"    | 81648                | 81748                | 81848                 | 81948                 | 82048                 |
| 60"    | 81660                | 81760                | 81860                 | 81960                 | 82060                 |

## SWEAT FITTING ASSEMBLY



| Female sweat fitting |              | Male sweat fitting |              |
|----------------------|--------------|--------------------|--------------|
| 86136                | 1/4" x 36"   | 85136              | 1/4" x 36"   |
| 86236                | 3/8" x 36"   | 85236              | 3/8" x 36"   |
| 86336                | 1/2" x 36"   | 85336              | 1/2" x 36"   |
| 86436                | 5/8" x 36"   | 85436              | 5/8" x 36"   |
| 86536                | 3/4" x 36"   | 85536              | 3/4" x 36"   |
| 86636                | 7/8" x 36"   | 85636              | 7/8" x 36"   |
| 86736                | 1-1/8" x 36" | 85736              | 1-1/8" x 36" |
| 86836                | 1-3/8" x 36" | 85836              | 1-3/8" x 36" |


Manufactured with straight, copper sweat ends.

- Male sweat to fit inside mating tube
- Female sweat to fit outside mating tube
- Made in the USA 

## FLARE ASSEMBLY

### For display cases, etc.



Stainless steel assemblies are made with a combination of Male and Female flares. Custom assemblies can be made. 

| Fl. size x length | Male fl. x Male fl. | Male fl. x Fe. fl. | Fe. fl. x Fe. fl. |
|-------------------|---------------------|--------------------|-------------------|
| 1/4" x 36"        | 82136               | 83136              | 84136             |
| 1/4" x 48"        | 82148               | 83148              | 84148             |
| 3/8" x 36"        | 82236               | 83236              | 84236             |
| 3/8" x 48"        | 82248               | 83248              | 84248             |
| 1/2" x 36"        | 82336               | 83336              | 84336             |
| 1/2" x 48"        | 82348               | 83348              | 84348             |
| 5/8" x 36"        | 82436               | 83436              | 84436             |
| 5/8" x 48"        | 82448               | 83448              | 84448             |
| 3/4" x 36"        | 82536               | 83536              | 84536             |
| 3/4" x 48"        | 82548               | 83548              | 84548             |

NOTE: Stainless steel hoses are made-to-order and cannot be returned.

NOTE: Custom lengths are available for all stainless steel hose assemblies on this page.

## GET MAXIMUM BENEFIT FROM YOUR YELLOW JACKET METAL HOSES

Keep your hoses on the job longer and the YELLOW JACKET warranty in effect by avoiding sharp bending and twisting that causes early failure. The warranty does not cover fatigue failure. Replace gaskets in quick couplers as needed to ensure a proper sealing.

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