

### PREMIUM CHARGING HOSES

Color coding eliminates line tracing during testing, evacuation, recharging or recovering on the refrigeration and air conditioning systems.

- Blue** - Low Pressure (Compressor Suction);
- Yellow** - Vacuum / Charging (Vacuum Pump / Refrigerant);
- Red** - High Pressure (Compressor Supply);
- Black** - Deep Vacuum ( Vacuum Pump).

- For all refrigerants CFC, HCFC, HFC except Ammonia;
- For intermittent use with 2, 4 & 5 way Manifold Gauges Recovery and Recycling Units, Programmable Electronic Scales, Refrigerant Cylinders...;
- Meets U.L. 1963 and SAE J2196 Automotive;
- Working Pressure **55 Bar** (800 psi) - Safety Factor **5 : 1**;
- Burst Pressure **277 Bar** (4000 psi);
- Long Quick Coupler Nut for easy finger tightening and eliminates binding or kinking of hose when tightening;
- Brass Ferrule with eight sided crimped;
- Moulded Neoprene gaskets on 1/4" (7/16" 20UNF) and 5/16" (1/2" 20UNF) free swivelling female SAE Quick Couplers. Easy to replace but won't pop out;
- Brass valve core depressor furnished in one end or Ball Valve end. Can be easily removed if not required or for replacement.

**NOTE** : Replace flexible hose every 5 years of normal use.

IDENTIFICATION CODE				
1	2	3	4	5
H	Type	Lenght	Color	Ball Valve

- 1 - H** = Flexible Hose;
- 2 - P** = "Premium" Non Permeating 1/4" F. SAE;
  - J = "Premium" Non Permeating 5/16" F. SAE R410a
  - N = Heavy Duty 1/4" F. SAE for R-717 Ammonia;
  - V = Vacuum 3/8" F. SAE;
- 3 - '** = Lenght meter - inches - feet (0,9 m. = 36" = 3');
- 4 - B** = Color Blue - **R** = Red - **Y** = Yellow - **N** = Black;
  - = Color-Coded Set of 3 pcs.
- 5 - E** = Straight Ball Valve on One End;
  - E45 = 45° Ball Valve on One End;
  - E90 = 90° Ball Valve on One End;
  - = Without Ball Valve.

### PREMIUM CHARGING HOSES with STRAIGHT END - (2) x 1/4" (7/16" 20UNF) Female SAE



Lenght m. - inches	Single Hoses - Model			Set of (3) Model
	Blue	Yellow	Red	
0,3 - 12"	HP 1 B	HP 1 Y	HP 1 R	HP 1
0,6 - 24"	HP 2 B	HP 2 Y	HP 2 R	HP 2
0,9 - 36"	HP 3 B	HP 3 Y	HP 3 R	HP 3
1,2 - 48"	HP 4 B	HP 4 Y	HP 4 R	HP 4
1,5 - 60"	HP 5 B	HP 5 Y	HP 5 R	HP 5
1,8 - 72"	HP 6 B	HP 6 Y	HP 6 R	HP 6
2,4 - 96"	HP 8 B	HP 8 Y	HP 8 R	HP 8
3,0 - 10'	HP10 B	HP10 Y	HP10 R	HP10

### PREMIUM CHARGING HOSES with STRAIGHT BALL VALVE on ONE END - 1/4" (7/16" 20UNF) Female SAE



Length m. - inches	Single Hoses - Model			Set of (3) Model
	Blue	Yellow	Red	
0,3 - 12"	HP 1BE	HP 1YE	HP 1RE	HP 1E
0,6 - 24"	HP 2BE	HP 2YE	HP 2RE	HP 2E
0,9 - 36"	HP 3BE	HP 3YE	HP 3RE	HP 3E
1,2 - 48"	HP 4BE	HP 4YE	HP 4RE	HP 4E
1,5 - 60"	HP 5BE	HP 5YE	HP 5RE	HP 5E
1,8 - 72"	HP 6BE	HP 6YE	HP 6RE	HP 6E
2,4 - 96"	HP 8BE	HP 8YE	HP 8RE	HP 8E
3,0 - 10'	HP10BE	HP10YE	HP10RE	HP10E

### PREMIUM CHARGING HOSES with 45° BALL VALVE



Lenght m. - inches	Single Hoses - Model			Set of (3) Model
	Blue	Yellow	Red	
0,3 - 12"	HP 1BE45	HP 1YE45	HP 1RE45	HP 1E45
0,6 - 24"	HP 2BE45	HP 2YE45	HP 2RE45	HP 2E45
0,9 - 36"	HP 3BE45	HP 3YE45	HP 3RE45	HP 3E45
1,2 - 48"	HP 4BE45	HP 4YE45	HP 4RE45	HP 4E45
1,5 - 60"	HP 5BE45	HP 5YE45	HP 5RE45	HP 5E45
1,8 - 72"	HP 6BE45	HP 6YE45	HP 6RE45	HP 6E45
2,4 - 96"	HP 8BE45	HP 8YE45	HP 8RE45	HP 8E45
3,0 - 10'	HP10BE45	HP10YE45	HP10RE45	HP10E45

### PREMIUM CHARGING HOSES with 90° BALL VALVE



Lenght m. - inches	Single Hoses - Model			Set of (3) Model
	Blue	Yellow	Red	
0,3 - 12"	HP 1BE90	HP 1YE90	HP 1RE90	HP 1E90
0,6 - 24"	HP 2BE90	HP 2YE90	HP 2RE90	HP 2E90
0,9 - 36"	HP 3BE90	HP 3YE90	HP 3RE90	HP 3E90
1,2 - 48"	HP 4BE90	HP 4YE90	HP 4RE90	HP 4E90
1,5 - 60"	HP 5BE90	HP 5YE90	HP 5RE90	HP 5E90
1,8 - 72"	HP 6BE90	HP 6YE90	HP 6RE90	HP 6E90
2,4 - 96"	HP 8BE90	HP 8YE90	HP 8RE90	HP 8E90
3,0 - 10'	HP10BE90	HP10YE90	HP10RE90	HP10E90

### R410a PREMIUM CHARGING HOSES with BALL VALVE on ONE END - 5/16" (1/2" 20UNF) Female SAE



Lenght m. - inches	Single Hoses - Model			Set of (3) Model
	Blue	Yellow	Red	
0,3 - 12"	HJ1BE	HJ1YE	HJ1RE	HJ1 E
0,6 - 24"	HJ2BE	HJ2YE	HJ2RE	HJ2 E
0,9 - 36"	HJ3BE	HJ3YE	HJ3RE	HJ3 E
1,2 - 48"	HJ4BE	HJ4YE	HJ4RE	HJ4 E
1,5 - 60"	HJ5BE	HJ5YE	HJ5RE	HJ5 E
1,8 - 72"	HJ6BE	HJ6YE	HJ6RE	HJ6 E
2,4 - 96"	HJ8BE	HJ8YE	HJ8RE	HJ8 E
3,0 - 10'	HJ10BE	HJ10YE	HJ10RE	HJ10E

### R410a PREMIUM HOSES with 45° BALL VALVE



Lenght m. - inches	Single Hoses - Model			Set of (3) Model
	Blue	Yellow	Red	
0,3 - 12"	HJ1BE45	HJ1YE45	HJ1RE45	HJ1 E45
0,6 - 24"	HJ2BE45	HJ2YE45	HJ2RE45	HJ2 E45
0,9 - 36"	HJ3BE45	HJ3YE45	HJ3RE45	HJ3 E45
1,2 - 48"	HJ4BE45	HJ4YE45	HJ4RE45	HJ4 E45
1,5 - 60"	HJ5BE45	HJ5YE45	HJ5RE45	HJ5 E45
1,8 - 72"	HJ6BE45	HJ6YE45	HJ6RE45	HJ6 E45
2,4 - 96"	HJ8BE45	HJ8YE45	HJ8RE45	HJ8 E45
3,0 - 10'	HJ10BE45	HJ10YE45	HJ10RE45	HJ10E45

### R410a PREMIUM HOSES with 90° BALL VALVE



Lenght m. - inches	Single Hoses - Model			Set of (3) Model
	Blue	Yellow	Red	
0,3 - 12"	HJ1BE90	HJ1YE90	HJ1RE90	HJ1 E90
0,6 - 24"	HJ2BE90	HJ2YE90	HJ2RE90	HJ2 E90
0,9 - 36"	HJ3BE90	HJ3YE90	HJ3RE90	HJ3 E90
1,2 - 48"	HJ4BE90	HJ4YE90	HJ4RE90	HJ4 E90
1,5 - 60"	HJ5BE90	HJ5YE90	HJ5RE90	HJ5 E90
1,8 - 72"	HJ6BE90	HJ6YE90	HJ6RE90	HJ6 E90
2,4 - 96"	HJ8BE90	HJ8YE90	HJ8RE90	HJ8 E90
3,0 - 10'	HJ10BE90	HJ10YE90	HJ10RE90	HJ10E90

### PREMIUM CHARGING HOSES with STRAIGHT END - (2) x 1/8" MPT Male Pipe Thread

Designed to provide the fastest and easiest means of field assembly charging hoses to one or two end for testing, recovering, evacuating, and recharging a refrigeration or air conditioning system. Same quality construction as HP series except it is equipped with two connection fitting MPT Male Pipe Thread. This 1/8" MPT permits complete assembly a permanent or temporally Quick Coupler or Ball Valve.

**NOTE :** For Quick Couplers (accessories) see page 26c  
For Ball Valves (accessories) see page 26g



Lenght m. - inches	Single Hoses - Model			Set of (3) Model
	Blue	Yellow	Red	
0,3 - 12"	HP 1BAAM	HP 1YAAM	HP 1RAAM	HP 1AA
0,6 - 24"	HP 2BAAM	HP 2YAAM	HP 2RAAM	HP 2AA
0,9 - 36"	HP 3BAAM	HP 3YAAM	HP 3RAAM	HP 3AA
1,2 - 48"	HP 4BAAM	HP 4YAAM	HP 4RAAM	HP 4AA
1,5 - 60"	HP 5BAAM	HP 5YAAM	HP 5RAAM	HP 5AA
1,8 - 72"	HP 6BAAM	HP 6YAAM	HP 6RAAM	HP 6AA
2,4 - 96"	HP 8BAAM	HP 8YAAM	HP 8RAAM	HP 8AA
3,0 - 10'	HP10BAAM	HP10YAAM	HP10RAAM	HP10AA

### PREMIUM HOSES with STRAIGHT END - 1/4" (7/16" 20UNF) Female SAE\* Swivel Nut with Gasket x 1/8" MPT Male Pipe Thread

\* Without Depressor



Lenght m. - " poll.	Single Hoses - Model			Set of (3) Model
	Blue	Yellow	Red	
0,3 - 12"	HP 1BAM	HP 1YAM	HP 1RAM	HP 1AM
0,6 - 24"	HP 2BAM	HP 2YAM	HP 2RAM	HP 2AM
0,9 - 36"	HP 3BAM	HP 3YAM	HP 3RAM	HP 3AM
1,2 - 48"	HP 4BAM	HP 4YAM	HP 4RAM	HP 4AM
1,5 - 60"	HP 5BAM	HP 5YAM	HP 5RAM	HP 5AM
1,8 - 72"	HP 6BAM	HP 6YAM	HP 6RAM	HP 6AM
2,4 - 96"	HP 8BAM	HP 8YAM	HP 8RAM	HP 8AM
3,0 - 10'	HP10 BAM	HP10YAM	HP10RAM	HP10AM

### R410a PREMIUM HOSES - 5/16" (1/2" 20UNF) Female SAE\* swivel Nut w/Gasket x 1/8" MPT Male Pipe Thread



Lenght m. - " poll.	Single Hoses - Model			Set of (3) Model
	Blue	Yellow	Red	
0,3 - 12"	HJ 1BAM	HJ 1YAM	HJ 1RAM	HJ 1AM
0,6 - 24"	HJ 2BAM	HJ 2YAM	HJ 2RAM	HJ 2AM
0,9 - 36"	HJ 3BAM	HJ 3YAM	HJ 3RAM	HJ 3AM
1,2 - 48"	HJ 4BAM	HJ 4YAM	HJ 4RAM	HJ 4AM
1,5 - 60"	HJ 5BAM	HJ 5YAM	HJ 5RAM	HJ 5AM
1,8 - 72"	HJ 6BAM	HJ 6YAM	HJ 6RAM	HJ 6AM
2,4 - 96"	HJ 8BAM	HJ 8YAM	HJ 8RAM	HJ 8AM
3,0 - 10'	HJ10 BAM	HJ10YAM	HJ10RAM	HJ10AM

### "HEAVY DUTY" AMMONIA CHARGING HOSES - (2) x 1/4" Female SAE Swivel Nut with Gasket

- Working Pressure **62 Bar** (900 psi) - Safety Factor **4 : 1**;
- Burst Pressure **242 Bar** (3500 psi);
- Long Steel Quick Couplers Nut for easy finger tightening and eliminates binding or kinking of hose when tightening;
- Steel Ferrule with eight sided crimped;
- Moulded Neoprene gaskets on 1/4" (7/16" 20UNF) free swivelling female SAE Quick Couplers. Easy to replace but won't pop out.



HN 5N

Lenght m. - inches	Single Hoses - Black - Model				
	0,9 - 36"	1,5 - 60"	1,8 - 72"	2,4 - 96"	3,0 - 10'
-	HN 3N	HN 5N	HN 6N	HN 8N	HN10N

### HI-VACUUM HOSES - 3/8" (5/8" 18UNF) Female SAE\* Swivel Nut with Gasket x MPT Male Pipe Thread

\* Without Depressor



HV 5NBM

Lenght m. - inch	Single Hoses - Black - Model				
	0,9 - 36"	1,5 - 60"	1,8 - 72"	2,4 - 96"	3,0 - 10'
1/8" MPT	HV 3NAM	HV 5NAM	HV 6NAM	HV 8NAM	HV10NAM
1/4" MPT	HV 3NBM	HV 5NBM	HV 6NBM	HV 8NBM	HV10NBM

### HI-VACUUM HOSES - (2) 3/8" (5/8" 18UNF) Female SAE Swivel Nut with Gasket

For intermittent testing, charging, and recovery. Recommended if faster evacuation or transfer of refrigerant is desired. Heavy construction but flexible, with long service rubber outer covering.

- Working Pressure **55 Bar** (500 psi) - Safety Factor **5 : 1**;
- Burst Pressure **173 Bar** (2500 psi);
- For use with 4 and 5 valve Manifold Gauges, Refrigerant Recovery Units and Refrigerant Drum Adapters;
- Long Quick Coupler Nut for easy finger tightening and eliminates binding or kinking of hose when tightening;
- Brass Ferrule with eight sided crimped;
- Moulded Neoprene gaskets on 3/8" (5/8" 18UNF) free swivelling female SAE Quick Couplers. Easy to replace but won't pop out.

Inner Diameter : 7,93 mm. (5/16" ID)



HV 5N

Lenght m. - inches	Single Hoses - Black - Model				
	0,9 - 36"	1,5 - 60"	1,8 - 72"	2,4 - 96"	3,0 - 10'
-	HV 3N	HV 5N	HV 6N	HV 8N	HV10N

### HI-VACUUM HOSES with STRAIGHT BALL VALVE on ONE END - (2) 3/8" (5/8" 18UNF) Female SAE Swivel Nut with Gasket



HV 5NE

Lenght m. - inches	Single Hoses - Black - Model				
	0,9 - 36"	1,5 - 60"	1,8 - 72"	2,4 - 96"	3,0 - 10'
-	HV 3NE	HV 5NE	HV 6NE	HV 8NE	HV10NE

### REPLACEMENT PARTS



Model	Description
42010-10	Neoprene Gasket for 1/4" (7/16" 20UNF) Female SAE swivel nut (10 pcs.).
42020-10	R410a Neoprene Gasket for 5/16" (1/2" 20UNF) Female SAE swivel nut (10 pcs.).
42308- 5	Neoprene Gasket for 3/8" (5/8" 18UNF) Female SAE swivel nut (5 pcs.).
42024-10	Brass Depressor for 1/4" (7/16" 20UNF) and 5/16" (1/2" 20UNF) Female SAE swivel nut (10 pcs.).
BVMH	Metal Handle with screw for ball valves on 1/4", 5/16" and 3/8" Female SAE swivel nut.