

# DME MoldBasics® Water Connectors

Low cost, high-quality connectors  
for the most demanding applications



**DME**  
*Every step of the way*

# MoldBasics® Hose Connectors

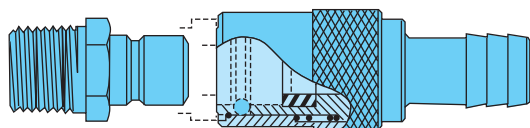
DME plugs used with DME flow-thru type Sockets and DME Automatic Shut-off Type Sockets are designed for plastics molds and die-cast dies in water, air or oil lines. They feature a combination brass and stainless steel leakproof construction; have a maximum rated capacity of 200 psi; and withstand temperatures up to 400°F, with supplied Viton seals. DME Sockets can be used interchangeably with the same Plugs already in your mold or die. Comparable sizes of both sockets types have the same O.D., permitting interchangeability even when the plugs are flush mounted.



SOCKET

PLUG

## Sockets (Flow-Thru Type)

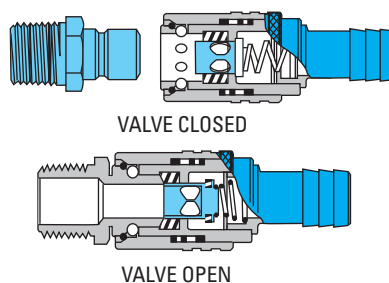


DME Flow-Thru Type Sockets have a large thru hole to provide unrestricted flow. These quick-connection couplers are available with either straight, 45° or 90° hose stems, or standard female or male NPT threads.

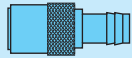
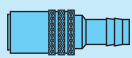
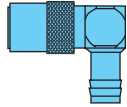
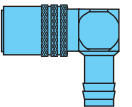
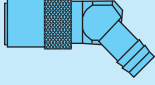
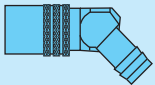





DME Flow-Thru and Automatic Shut-Off Type Sockets have the same O.D., permitting complete interchangeability with Plugs installed in your mold or die.

The Sockets can be used with either male, female or extension plugs.

## Sockets (Automatic Shut-Off Type)



DME Automatic Shut-off Type Sockets open automatically when connected and shut off automatically when disconnected. Unlike most valve-type connectors, DME Sockets are designed to keep flow restriction to a minimum.

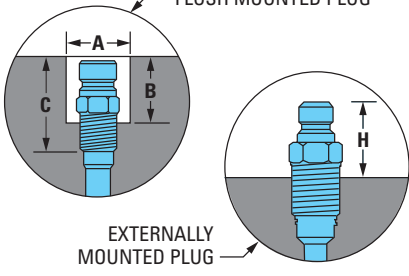
FLOW-THRU SOCKETS					AUTOMATIC SHUT-OFF SOCKETS	
DESCRIPTION	ITEM NUMBER	FITS HOSE I.D. OR PIPE THREAD	HOSE STEM I.D. OR THRU HOLE	USED WITH STD MALE, FEMALE OR EXTENSION PLUGS	ITEM NUMBER	DESCRIPTION
 STRAIGHT STEM	NS204	1/4	3/16	NS 250 TO 253 (FB)	NS204V	 STRAIGHT STEM
	NS205	5/16	1/4	NS 250 TO 253 (FB)	NS205V	
	NS206	3/8	1/4	NS 250 TO 253 (FB)	NS206V	
	NS306	3/8	1/4	NS 351 TO 354 (FB)	NS306V	
	NS308	1/2	3/8	NS 351 TO 354 (FB)	NS308V	
	NS504	1/2	3/8	NS 553 TO 556 (FB)	NS504V	
 90° STEM	NS506	3/4	5/8	NS 553 TO 556 (FB)	NS506V	 90° STEM
	NS214	1/4	3/16	NS 250 TO 253 (FB)	NS214V	
	NS215	5/16	1/4	NS 250 TO 253 (FB)	NS215V	
	NS216	3/8	1/4	NS 250 TO 253 (FB)	NS216V	
	NS316	3/8	1/4	NS 351 TO 354 (FB)	NS316V	
	NS318	1/2	3/8	NS 351 TO 354 (FB)	NS318V	
 45° STEM	NS514	1/2	3/8	NS 553 TO 556 (FB)	NS514V	 45° STEM
	NS516	3/4	9/16	NS 553 TO 556 (FB)	NS516V	
	NS224	1/4	3/16	NS 250 TO 253 (FB)	NS224V	
	NS225	5/16	1/4	NS 250 TO 253 (FB)	NS225V	
	NS226	3/8	1/4	NS 250 TO 253 (FB)	NS226V	
	NS326	3/8	1/4	NS 351 TO 354 (FB)	NS326V	
 FEMALE NPT THREAD	NS328	1/2	3/8	NS 351 TO 354 (FB)	NS328V	 FEMALE NPT THREAD
	NS524	1/2	3/8	NS 553 TO 556 (FB)	NS524V	
	NS526	3/4	9/16	NS 553 TO 556 (FB)	NS526V	
 MALE NPT THREAD	NS200	1/8 NPT	1/4	NS 250 TO 253 (FB)	NS200V	 MALE NPT THREAD
	NS300	1/4 NPT	3/8	NS 351 TO 354 (FB)	NS300V	
	NS500	1/2 NPT	5/8	NS 553 TO 556 (FB)	NS500V	
 MALE NPT THREAD	NS201M	1/8 NPT	1/4	NS 250 TO 253 (FB)	NS201MV	 MALE NPT THREAD
	NS302M	1/4 NPT	3/8	NS 351 TO 354 (FB)	NS302MV	
	NS504M	1/2 NPT	9/16	NS 553 TO 556 (FB)	NS504MV	

**QUANTITY DISCOUNTS:** MoldBasics® Sockets or Plugs. Discounts apply to current Net Prices. See List Price Adjustment. Standard sizes may be combined on one order for quantity discounts. 100 to 499...Less 3%; 500 or more...Less 6%

# MoldBasics® Hose Plugs and Extension Plugs

## Plugs

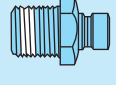
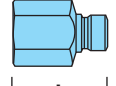
### Male Plug Mounting Information

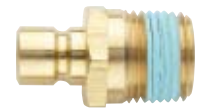


ITEM NUMBER	NPT	HEX SIZE	A	B	C	H
NS250	1/16	7/16	11/16	11/16	1"	5/8
NS251	1/8	7/16	11/16	11/16	1"	5/8
NS252(SV)	1/4	9/16	27/32	15/16	13/16	7/8
NS253(SV)	3/8	11/16	1.000	15/16	1 1/4	29/32
NS351	1/8	9/16	1.000	15/16	1 1/4	7/8
NS352(SV)	1/4	9/16	1.000	13/32	17/16	1 1/32
NS353(SV)	3/8	11/16	1.000	1 1/8	17/16	1 1/16
NS354(SV)	1/2	7/8	13/16	1 1/4	19/16	13/16
NS553	3/8	7/8	1 1/4	13/16	1 5/8	1 1/8
NS554	1/2	7/8	1 1/4	1 1/2	1 13/16	17/16
NS556	3/4	1 1/8	1 1/2	19/16	17/8	1 1/2

## Male and Female Plugs

### For Use with Flow-Thru or Automatic Shut-Off Sockets (Including SV Series)

DESCRIPTION	LENGTH L	PIPE THREAD	Ø HOLE	HEX SIZE	ITEM NUMBER	USED WITH SOCKETS
 MALE PLUG (BRASS)	59/64	1/16 NPT	3/16	7/16	NS250	NS204(V/SV) TO NS226(V/SV)
	59/64	1/8 NPT	1/4	7/16	NS251	
	15/32	1/4 NPT	1/4	9/16	NS252	
	13/16	3/8 NPT	1/4	11/16	NS253	
	13/16	1/8 NPT	1/4	9/16	NS351	NS306(V/SV) TO NS328(V/SV)
	125/64	1/4 NPT	3/8	9/16	NS352	
	125/64	3/8 NPT	3/8	11/16	NS353	
	137/64	1/2 NPT	3/8	7/8	NS354	
	19/16	3/8 NPT	7/16	7/8	NS553	NS504(V) TO NS526(V)
	13/4	1/2 NPT	5/8	7/8	NS554	
13/4	3/4 NPT	5/8	1 1/8	NS556		
 FEMALE PLUG** (BRASS)	1"	1/16 NPT	1/4	1/2	NS250 FB	NS204(V/SV) TO NS226(V/SV)
	1"	1/8 NPT	1/4	1/2	NS251 FB	
	19/32	1/4 NPT	1/4	5/8	NS252 FB	
	113/32	3/8 NPT	1/4	3/4	NS253 FB	
	19/32	1/8 NPT	11/32	5/8	NS351 FB	NS306(V/SV) TO NS328(V/SV)
	131/64	1/4 NPT	3/8	5/8	NS352 FB	
	137/64	3/8 NPT	3/8	3/4	NS353 FB	
	149/64	1/2 NPT	3/8	15/16	NS354 FB	
	111/16	3/8 NPT	9/16	15/16	NS553 FB	NS504(V) TO NS526(V)
	149/64	1/2 NPT	5/8	15/16	NS554 FB	
149/64	3/4 NPT	5/8	1 1/8	NS556 FB		



Male Plug



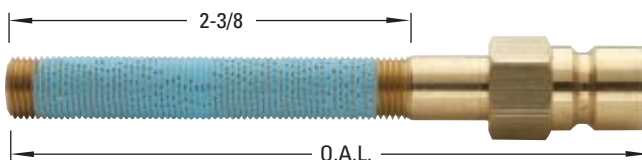
Female Plug

All Male Plugs (including SV-Series) and Extension Plugs are supplied with thread sealant. Eliminating the initial need for joint tape or compound, the sealant will withstand temperatures up to 400°F and pressures up to 200 psi.

## Extension Plugs\*–EP

### For Use with Flow-Thru or Automatic Shut-Off Sockets (Including SV Series)

Threaded area with thread sealant pre-applied.



\*Designed for use with existing or new NPT tapered pipe-tapped hole in mold or die. Straight threaded area allows easy length adjustment. Cut to suit. No tapering or re-tapping necessary.

PIPE THREAD*	HEX SIZE	O.A.L.	ITEM NUMBER	USED WITH SOCKETS
1/8	7/16	4"	EP2514	NS204 (V/SV) TO NS226 (V/SV)
1/8	7/16	6"	EP2516	
1/8	7/16	8"	EP2518	
1/4	9/16	4"	EP2524	
1/4	9/16	6"	EP2526	
1/4	9/16	8"	EP2528	
3/8	11/16	4"	EP2534	
3/8	11/16	6"	EP2536	
3/8	11/16	8"	EP2538	NS306 (V/SV) TO NS328 (V/SV)
1/8	9/16	4"	EP3514	
1/8	9/16	6"	EP3516	
1/8	9/16	8"	EP3518	
1/4	9/16	4"	EP3524	
1/4	9/16	6"	EP3526	
1/4	9/16	8"	EP3528	
3/8	11/16	4"	EP3534	
3/8	11/16	6"	EP3536	
3/8	11/16	8"	EP3538	

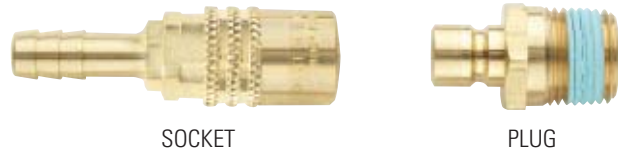
**QUANTITY DISCOUNTS:** MoldBasics® Sockets or Plugs. Discounts apply to current Net Prices. See List Price Adjustment. Standard sizes may be combined on one order for quantity discounts. 100 to 499...Less 3%; 500 or more...Less 6%

# MoldBasics® SV-Series Hose Connectors

## SV-Series Connectors – NS Two-Way Automatic Shut-Off Type

The DME line of SV-Series Connectors features a male plug and socket, each with an automatic shut-off stemmed valve. These connectors are designed for use with plastics molds and die-cast dies in water, air or heat transfer oil lines. They feature a combination of brass and stainless steel in a leak-proof construction, have a maximum rated capacity of 200 psi and will withstand temperatures up to 400°F with supplied Viton seals.

The SV-Series Male Plugs add the capability of automatic shut-off at the mold, thereby minimizing coolant loss.



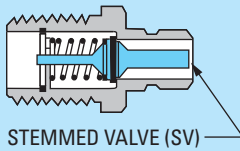
SOCKET

PLUG

DME SV-Series Sockets can be used interchangeably with the plugs already in your mold or die. However, the SV-Series Male Plugs can ONLY be used with the SV-Series Sockets. Comparable sizes of both types of sockets and plugs have the same O.D., permitting interchangeability even when the plugs are flush-mounted.

The SV-Series Male Plugs are now supplied with thread sealant. Eliminating the initial need for joint tape or compound, the sealant will withstand temperatures up to 400°F and pressures up to 200 psi.

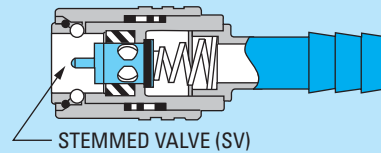
### SV-Series Male Plugs (Automatic Shut-Off Type with Stemmed Valve)



STEMMED VALVE (SV)

The DME SV-Series Male Plugs feature an automatic shut-off stemmed valve. This plug design adds the capability of automatic shut-off at the mold. The plug's shut-off stemmed valve minimizes mold coolant loss, thereby decreasing clean-up time and the possibility of rust occurring on the mold surface. The SV-Series Male Plug can ONLY be used with the SV-Series Socket.

### SV-Series Sockets (Automatic Shut-Off Type with Stemmed Valve)

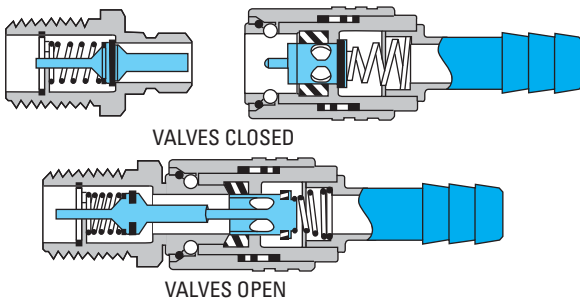


STEMMED VALVE (SV)

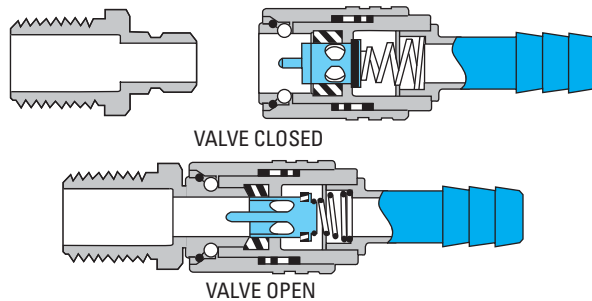
The DME SV-Series Sockets feature an automatic shut-off stemmed valve that is designed to work with the SV-Series Male Plugs, as well as the standard male, female and extension plugs. The sockets open automatically when connected and shut off automatically when disconnected. The SV-Series Sockets are designed to keep flow restriction to a minimum and are available with either straight, 45° or 90° hose stems.

## Operating Combinations

### Two-Way Shut-Off\*



### One-Way Shut-Off



\*The SV-Series Male Plugs can only be used for two-way shut-offs and must be used with the SV-Series Sockets.

**QUANTITY DISCOUNTS:** MoldBasics® Sockets or Plugs. Discounts apply to current Net Prices. See List Price Adjustment. Standard sizes may be combined on one order for quantity discounts. 100 to 499...Less 3%; 500 or more...Less 6%

# MoldBasics® SV-Series Hose Connectors

## SV-Series Male Plugs\* – NS (Automatic Shut-Off Type with Stemmed Valve)



DESCRIPTION	LENGTH L	PIPE THREAD	Ø HOLE	HEX SIZE	ITEM NUMBER	USED WITH SOCKETS*
 (BRASS)	1 <sup>5</sup> / <sub>32</sub>	1/4 NPT	1/4	9/16	NS252SV	NS204SV TO NS226SV
	1 <sup>3</sup> / <sub>16</sub>	3/8 NPT	1/4	11/16	NS253SV	
	1 <sup>25</sup> / <sub>64</sub>	1/4 NPT	3/8	9/16	NS352SV	NS306SV TO NS328SV
	1 <sup>25</sup> / <sub>64</sub>	3/8 NPT	3/8	11/16	NS353SV	
	1 <sup>37</sup> / <sub>64</sub>	1/2 NPT	3/8	7/8	NS354SV	

\*The SV-Series Male Plugs operate only with the SV-Series Sockets. All SV-Series Male Plugs are supplied with Viton seals for use in water, air and heat transfer oil applications that do not exceed 400°F and 200 psi.

## SV-Series Sockets – NS (Automatic Shut-Off Type with Stemmed Valve)

DESCRIPTION	ITEM NUMBER	FITS HOSE I.D. OR PIPE THREAD	HOSE STEM I.D. OR THRU HOLE	USED WITH SV-MALE, STD MALE, FEMALE OR EXTENSION PLUGS
 STRAIGHT STEM	NS204SV	1/4	3/16	NS250 TO 253 (SV) (FB)
	NS205SV	5/16	1/4	NS250 TO 253 (SV) (FB)
	NS206SV	3/8	1/4	NS250 TO 253 (SV) (FB)
	NS306SV	3/8	1/4	NS351 TO 354 (SV) (FB)
 90° STEM	NS308SV	1/2	3/8	NS351 TO 354 (SV) (FB)
	NS214SV	1/4	3/16	NS250 TO 253 (SV) (FB)
	NS215SV	5/16	1/4	NS250 TO 253 (SV) (FB)
	NS216SV	3/8	1/4	NS250 TO 253 (SV) (FB)
 45° STEM	NS316SV	3/8	1/4	NS351 TO 354 (SV) (FB)
	NS318SV	1/2	3/8	NS351 TO 354 (SV) (FB)
	NS224SV	1/4	3/16	NS250 TO 253 (SV) (FB)
	NS225SV	5/16	1/4	NS250 TO 253 (SV) (FB)
 FEMALE NPT THREAD	NS226SV	3/8	1/4	NS250 TO 253 (SV) (FB)
	NS326SV	3/8	1/4	NS351 TO 354 (SV) (FB)
 MALE NPT THREAD	NS328SV	1/2	3/8	NS351 TO 354 (SV) (FB)
	NS200SV	1/8 NPT	1/4	NS250 TO 253 (SV) (FB)
	NS300SV	1/4 NPT	3/8	NS351 TO 354 (SV) (FB)
	NS201MSV	1/8 NPT	1/4	NS250 TO 253 (SV) (FB)
	NS302MSV	1/4 NPT	3/8	NS351 TO 354 (SV) (FB)

## 90° and 45° NPT Elbows (For Female and Male NPT Sockets Only)

DESCRIPTION	ITEM NUMBER	PIPE THREAD	THRU HOLE	USED WITH SOCKETS
 90° NPT ELBOW	BE4S2-2	1/8 NPT	7/32	NS200 (V/SV) TO NS201M (V/SV)
	BE4S4-4	1/4 NPT	5/16	NS300 (V/SV) TO NS302M (V/SV)
	BE4S8-8	1/2 NPT	9/16	NS500 (V) TO NS504M (V)
 45° NPT ELBOW	BE9S2-2	1/8 NPT	7/32	NS200 (V/SV) TO NS201M (V/SV)
	BE9S4-4	1/4 NPT	5/16	NS300 (V/SV) TO NS302M (V/SV)
	BE9S8-8*	1/2 NPT	9/16	NS500 (V) TO NS504M (V)

These 90° and 45° NPT elbows can be used with either V or SV, female or male NPT sockets only.

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# MoldBasics® Hose Connector Sockets and Replacement Connector Seals



## With Clampless Hose Stems for use with Push-To-Connect/Push-To-Lock Type Hose

- For use with push-to-connect/push-to-lock type hose only
- Saves set-up time by eliminating the need for hose clamps
- Hose stem barbs mate with "Push-to-Lock" style rubber hose
- Popular sizes for interchangeability with existing and SV Sockets
- More compact and consistently sized than competitive sockets
- Leakproof brass and stainless steel construction
- Replaceable seals and valves for long service life
- Socket connector seals are Viton

### Valve Style\* – SVPL

DESCRIPTION	ITEM NUMBER	FITS HOSE I.D.	HOSE STEM I.D.	USED WITH: SV-MALE, STD. MALE, FEMALE OR EXTENSION PLUGS
STRAIGHT STEM	NS204SVPL	1/4	3/16	NS 250 TO 253 (SV)
	NS206SVPL	3/8	1/4	NS 250 TO 253 (SV)
	NS306SVPL	3/8	1/4	NS 351 TO 354 (SV)
	NS308SVPL	1/2	3/8	NS 351 TO 354 (SV)
90° STEM	NS214SVPL	1/4	3/16	NS 250 TO 253 (SV)
	NS216SVPL	3/8	1/4	NS 250 TO 253 (SV)
	NS316SVPL	3/8	1/4	NS 351 TO 354 (SV)
45° STEM	NS318SVPL	1/2	3/8	NS 351 TO 354 (SV)
	NS224SVPL	1/4	3/16	NS 250 TO 253 (SV)
	NS226SVPL	3/8	1/4	NS 250 TO 253 (SV)
	NS326SVPL	3/8	1/4	NS 351 TO 354 (SV)
	NS328SVPL	1/2	3/8	NS 351 TO 354 (SV)

\*SV-Series male plugs must be used to obtain two-way shutoff. Installation data available. Contact DME.

### Flow-Thru Style – PL

DESCRIPTION	ITEM NUMBER	FITS HOSE I.D.	HOSE STEM I.D.	USED WITH: STD. MALE, FEMALE OR EXTENSION PLUGS
STRAIGHT STEM	NS204PL	1/4	3/16	NS 250 TO 253 (FB)
	NS206PL	3/8	1/4	NS 250 TO 253 (FB)
	NS306PL	3/8	1/4	NS 351 TO 354 (FB)
	NS308PL	1/2	3/8	NS 351 TO 354 (FB)
	NS504PL	1/2	3/8	NS 553 TO 556 (FB)
90° STEM	NS506PL	3/4	5/8	NS 553 TO 556 (FB)
	NS214PL	1/4	3/16	NS 250 TO 253 (FB)
	NS216PL	3/8	1/4	NS 250 TO 253 (FB)
	NS316PL	3/8	1/4	NS 351 TO 354 (FB)
	NS318PL	1/2	3/8	NS 351 TO 354 (FB)
45° STEM	NS514PL	1/2	3/8	NS 553 TO 556 (FB)
	NS516PL	3/4	5/8	NS 553 TO 556 (FB)
	NS224PL	1/4	3/16	NS 250 TO 253 (FB)
	NS226PL	3/8	1/4	NS 250 TO 253 (FB)
	NS326PL	3/8	1/4	NS 351 TO 354 (FB)
	NS328PL	1/2	3/8	NS 351 TO 354 (FB)
	NS524PL	1/2	3/8	NS 553 TO 556 (FB)
NS526PL	3/4	5/8	NS 553 TO 556 (FB)	

### One-Way Valve Style – VPL

DESCRIPTION	ITEM NUMBER	FITS HOSE I.D.	HOSE STEM I.D.	USED WITH: STD. MALE, FEMALE OR EXTENSION PLUGS
STRAIGHT STEM	NS204VPL	1/4	3/16	NS 250 TO 253 (FB)
	NS206VPL	3/8	1/4	NS 250 TO 253 (FB)
	NS306VPL	3/8	1/4	NS 351 TO 354 (FB)
	NS308VPL	1/2	3/8	NS 351 TO 354 (FB)
	NS504VPL	1/2	3/8	NS553 TO 556 (FB)
	NS506VPL	3/4	5/8	NS 553 TO 556 (FB)
90° STEM	NS214VPL	1/4	3/16	NS 250 TO 253 (FB)
	NS216VPL	3/8	1/4	NS 250 TO 253 (FB)
	NS316VPL	3/8	1/4	NS 351 TO 354 (FB)
	NS318VPL	1/2	3/8	NS 351 TO 354 (FB)
	NS514VPL	1/2	3/8	NS 553 TO 556 (FB)
45° STEM	NS516VPL	3/4	5/8	NS 553 TO 556 (FB)
	NS224VPL	1/4	3/16	NS 250 TO 253 (FB)
	NS226VPL	3/8	1/4	NS 250 TO 253 (FB)
	NS326VPL	3/8	1/4	NS 351 TO 354 (FB)
	NS328VPL	1/2	3/8	NS 351 TO 354 (FB)
	NS524VPL	1/2	3/8	NS 553 TO 556 (FB)
	NS526VPL	3/4	5/8	NS 553 TO 556 (FB)

**NOTE:** Use "Push-to-Lock" type hose only. Connector Sockets are for use with water and water-based coolants only. Although Connector Sockets are suitable for temperatures to 400°F, observe the temperature ratings of your "push-to-lock" hose. Most "push-to-lock" hoses have a temperature rating of 175°F or less. Never exceed 200 psi.

## Replacement Connector Seals

Sockets are supplied with Viton seals for use with air, water or heat transfer oil applications that do not exceed 400°F and 200 psi. Seals should be replaced periodically as required to ensure leak-free connections.

MAXIMUM OPERATING TEMPERATURE/PRESSURE = 400°F/200 PSI			
FOR USE WITH	SEAL MATERIAL (I.D. COLOR)	ITEM NUMBER*	USED WITH SOCKETS
AIR, WATER OR HEAT TRANSFER OIL	VITON (GREEN)	VW200-12	NS204 (V/SV) TO 226 (V/SV)
		VW300-12	NS306 (V/SV) TO 328 (V/SV)
		VW500-12	NS504 (V) TO 524 (V)

\*Packs of 12 (sold in packs of 12 only).