

# MDC Series Coupling

## Application

Data Center, HPC, Semiconductor Equipment, Medical Equipment

## Technical Features

- Non-drip
- One-handed operation, easy to connect & disconnect
- Bi-directional stop valve
- Low pressure drop
- Anti-vibration, meet IEC 61373 standard
- Multiple tail type and seal material options

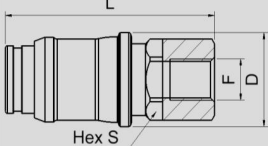
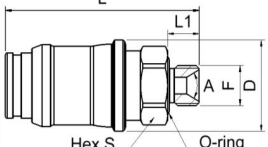
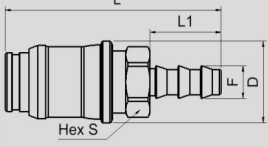
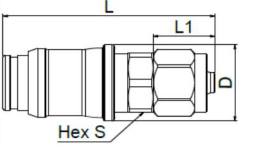


## Description

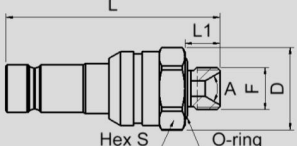
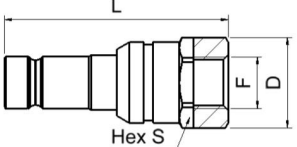
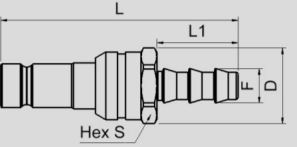
|                     |                                                                                      |
|---------------------|--------------------------------------------------------------------------------------|
| Nominal diameter    | DN04~25                                                                              |
| Body material       | 316L Stainless Steel, Aluminium Alloy                                                |
| Seal material       | EPDM, FKM、FVMQ and other seal materials can be chosen                                |
| Working pressure    | 20bar                                                                                |
| Burst pressure      | 80bar                                                                                |
| Working temperature | -40°C ~ +120°C                                                                       |
| Fluid               | Deionized water, purified water, glycol water, propanediol water, fluorinated liquid |
| Others              | Please contact us if need red/blue colored marks                                     |



## MDC04 Socket, DN04, 316L Stainless Steel, EPDM Seal

| Dimensions                                                                       | Connection F                               | A   | D   | L1  | L  | S  | Part Number     |
|----------------------------------------------------------------------------------|--------------------------------------------|-----|-----|-----|----|----|-----------------|
|  | G1/8" Female Thread                        | N/A | Ø22 | N/A | 52 | 17 | MDC04S-1SFG012N |
|  | G1/8" Male Thread                          | 60° | Ø22 | 8   | 50 | 17 | MDC04S-1SMG012N |
|  | 1/4" Hose Barb Push- Lok                   | N/A | Ø22 | 20  | 62 | 17 | MDC04S-1SWP042N |
|  | Spigot Compression Fitting<br>8*5.5mm Hose | N/A | Ø22 | 17  | 59 | 17 | MDC04S-1SWQ052N |

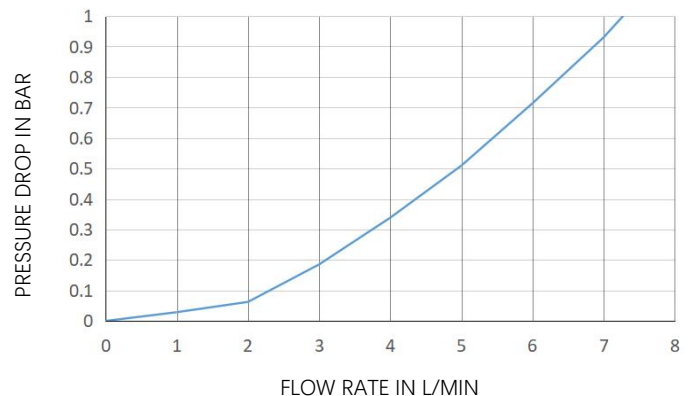
## MDC04 Plug, DN04, 316L Stainless Steel, EPDM Seal

| Dimensions                                                                         | Connection F            | A     | D   | L1   | L    | S  | Part Number     |
|------------------------------------------------------------------------------------|-------------------------|-------|-----|------|------|----|-----------------|
|  | G1/8" Male Thread       | 60.5° | Ø19 | 8    | 49.3 | 17 | MDC04P-1SMG012N |
|  | G1/8" Female Thread     | N/A   | Ø19 | N/A  | 47.4 | 17 | MDC04P-1SFG012N |
|  | 1/4" Hose Barb Push-Lok | N/A   | Ø19 | 20.4 | 59.7 | 17 | MDC04P-1SWP042N |

## Flow chart

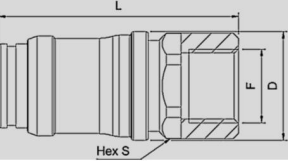
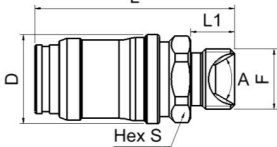
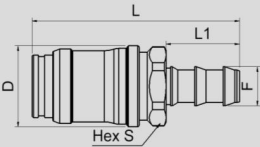
### Condition:

- From plug to socket
- Liquid: water

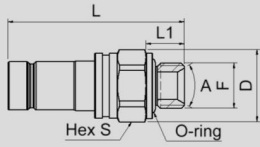
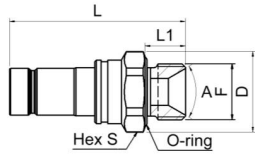
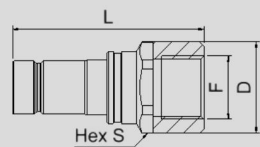
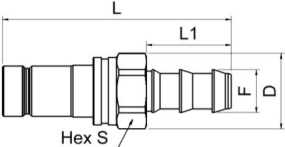




MDC06 Socket, DN06, 316L Stainless Steel, EPDM Seal

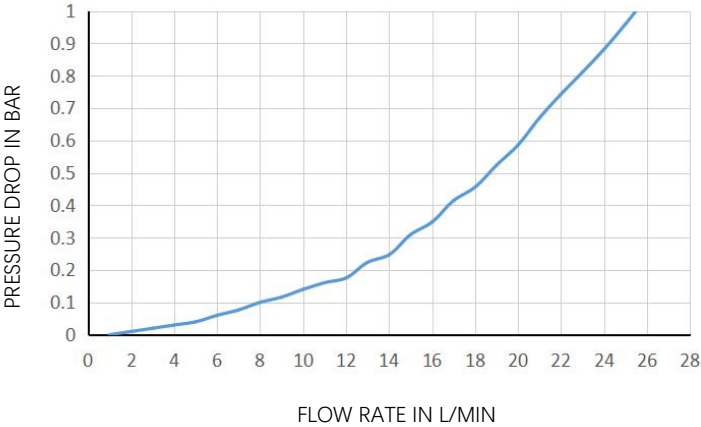
| Dimensions                                                                       | Connection F            | A     | D     | L1   | L    | S  | Part Number     |
|----------------------------------------------------------------------------------|-------------------------|-------|-------|------|------|----|-----------------|
|  | G3/8" Female Thread     | N/A   | Ø24.6 | N/A  | 55   | 22 | MDC06S-1SFG042N |
|  | G3/8" Male Thread       | 60.5° | Ø24.6 | 12   | 54.9 | 22 | MDC06S-1SMG042N |
|  | 3/8" Hose Barb Push-Lok | N/A   | Ø24.6 | 23.5 | 66.4 | 22 | MDC06S-1SWP062N |

MDC06 Plug, DN06, 316L Stainless Steel, EPDM Seal

| Dimensions                                                                         | Connection F            | A     | D   | L1   | L    | S  | Part Number     |
|------------------------------------------------------------------------------------|-------------------------|-------|-----|------|------|----|-----------------|
|   | G1/4" Male Thread       | 60.5° | Ø21 | 11.2 | 51.3 | 19 | MDC06P-1SMG022N |
|  | G3/8" Male Thread       | 60.5° | Ø24 | 12   | 52.1 | 22 | MDC06P-1SMG042N |
|  | G3/8" Female Thread     | N/A   | Ø24 | N/A  | 50.7 | 22 | MDC06P-1SFG042N |
|  | 3/8" Hose Barb Push-Lok | N/A   | Ø21 | 23.5 | 63.6 | 19 | MDC06P-1SWP062N |

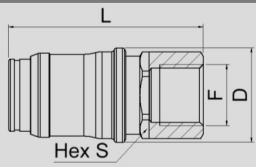
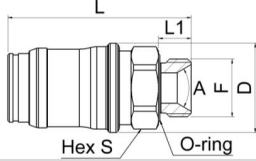
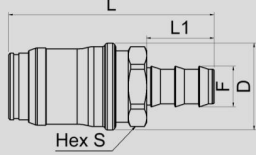
Flow chart

- Condition:
- From plug to socket
  - Liquid: water

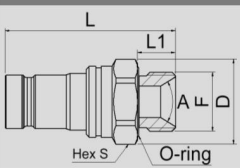
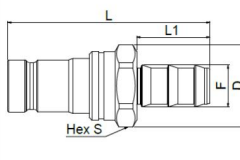




## MDC09 Socket, DN09, 316L Stainless Steel, EPDM Seal

| Dimensions                                                                       | Connection F            | A     | D     | L1   | L    | S  | Part Number     |
|----------------------------------------------------------------------------------|-------------------------|-------|-------|------|------|----|-----------------|
|  | G1/2" Female Thread     | N/A   | Ø32.5 | N/A  | 67.1 | 27 | MDC09S-1SFG052N |
|  | G1/2" Male Thread       | 60.5° | Ø32.5 | 12   | 67.1 | 27 | MDC09S-1SMG052N |
|  | 1/2" Hose Barb Push-Lok | N/A   | Ø32.5 | 25.5 | 77.6 | 27 | MDC09S-1SWP082N |

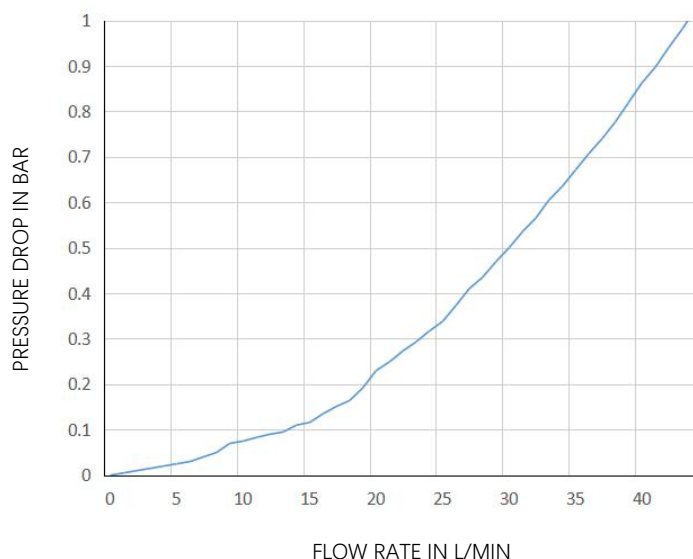
## MDC09 Plug, DN09, 316L Stainless Steel, EPDM Seal

| Dimensions                                                                         | Connection F            | A     | D   | L1 | L  | S  | Part Number     |
|------------------------------------------------------------------------------------|-------------------------|-------|-----|----|----|----|-----------------|
|   | G1/2" Male Thread       | 60.5° | Ø30 | 12 | 61 | 27 | MDC09P-1SMG052N |
|  | 1/2" Hose Barb Push-Lok | N/A   | Ø30 | 27 | 75 | 27 | MDC09P-1SWP082N |

## Flow chart

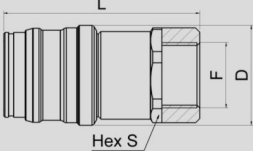
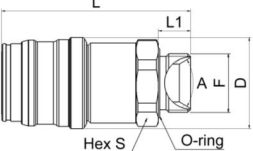
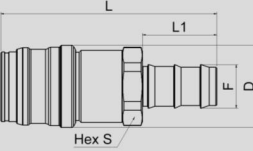
### Condition:

- From plug to socket
- Liquid: water

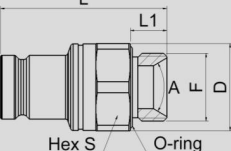




MDC14 Socket, DN14, 316L Stainless Steel, EPDM Seal

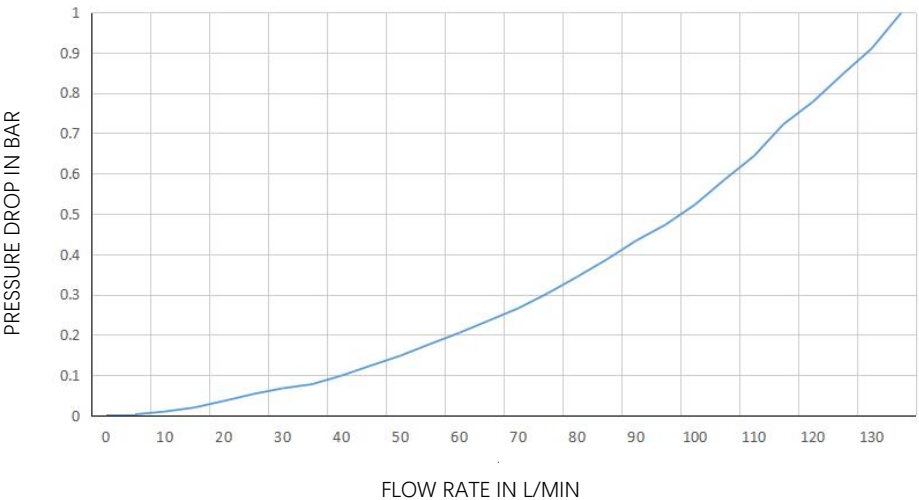
| Dimensions                                                                       | Connection F            | A     | D   | L1   | L     | S  | Part Number     |
|----------------------------------------------------------------------------------|-------------------------|-------|-----|------|-------|----|-----------------|
|  | G3/4" Female Thread     | N/A   | Φ41 | N/A  | 80.7  | 36 | MDC14S-1SFG082N |
|  | G3/4" Male Thread       | 60.5° | Φ41 | 14.5 | 85    | 36 | MDC14S-1SMG082N |
|  | 3/4" Hose Barb Push-Lok | N/A   | Φ41 | 37   | 107.5 | 36 | MDC14S-1SWP122N |

MDC14 Plug, DN14, 316L Stainless Steel, EPDM Seal

| Dimensions                                                                        | Connection F      | A     | D   | L1   | L  | S  | Part Number     |
|-----------------------------------------------------------------------------------|-------------------|-------|-----|------|----|----|-----------------|
|  | G3/4" Male Thread | 60.5° | Φ37 | 14.5 | 66 | 34 | MDC14P-1SMG082N |

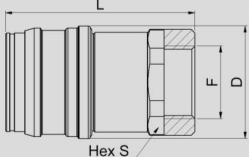
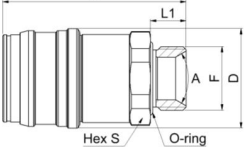
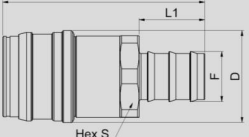
Flow chart

- Condition:
- From plug to socket
  - Liquid: water

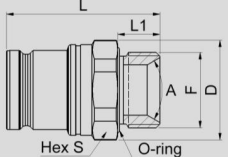
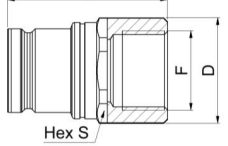
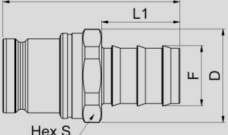




**MDC19 Socket, DN19, 316L Stainless Steel, EPDM Seal**

| Dimensions                                                                       | Connection F          | A     | D   | L1   | L     | S  | Part Number     |
|----------------------------------------------------------------------------------|-----------------------|-------|-----|------|-------|----|-----------------|
|  | G1" Female Thread     | N/A   | Φ52 | N/A  | 88    | 46 | MDC19S-1SFG092N |
|  | G1" Male Thread       | 60.5° | Φ52 | 18.6 | 95.5  | 46 | MDC19S-1SMG092N |
|  | 1" Hose Barb Push-Lok | N/A   | Φ52 | 37   | 113.9 | 46 | MDC19S-1SWP162N |

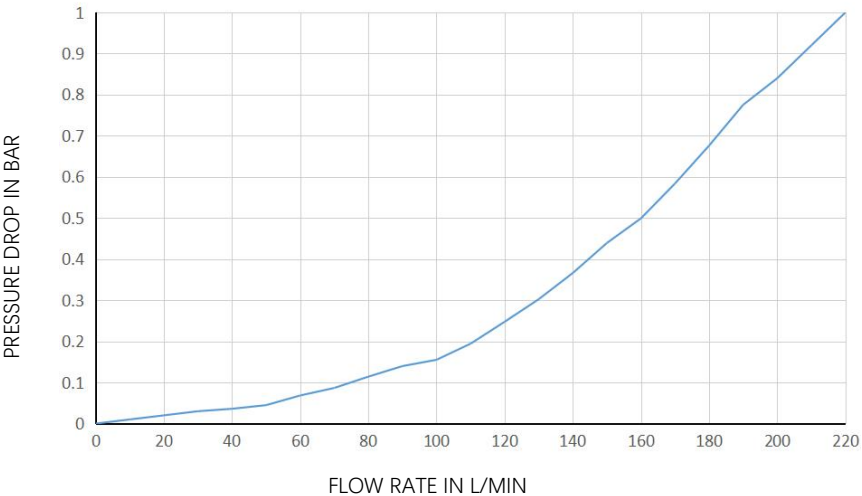
**MDC19 Plug, DN19, 316L Stainless Steel, EPDM Seal**

| Dimensions                                                                         | Connection F          | A     | D   | L1   | L    | S  | Part Number     |
|------------------------------------------------------------------------------------|-----------------------|-------|-----|------|------|----|-----------------|
|   | G1" Male Thread       | 60.5° | Φ44 | 18.6 | 67.5 | 41 | MDC19P-1SMG092N |
|  | G1" Female Thread     | N/A   | Φ44 | N/A  | 67.5 | 41 | MDC19P-1SFG092N |
|  | 1" Hose Barb Push-Lok | N/A   | Φ44 | 37   | 83.7 | 41 | MDC19P-1SWP162N |

**Flow chart**

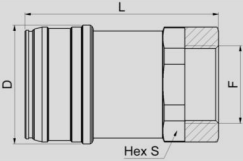
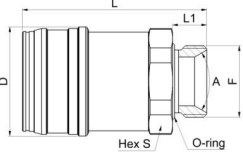
**Condition:**

- From plug to socket
- Liquid: water

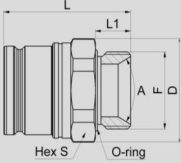




MDC25 Socket, DN25, 316L Stainless Steel, EPDM Seal

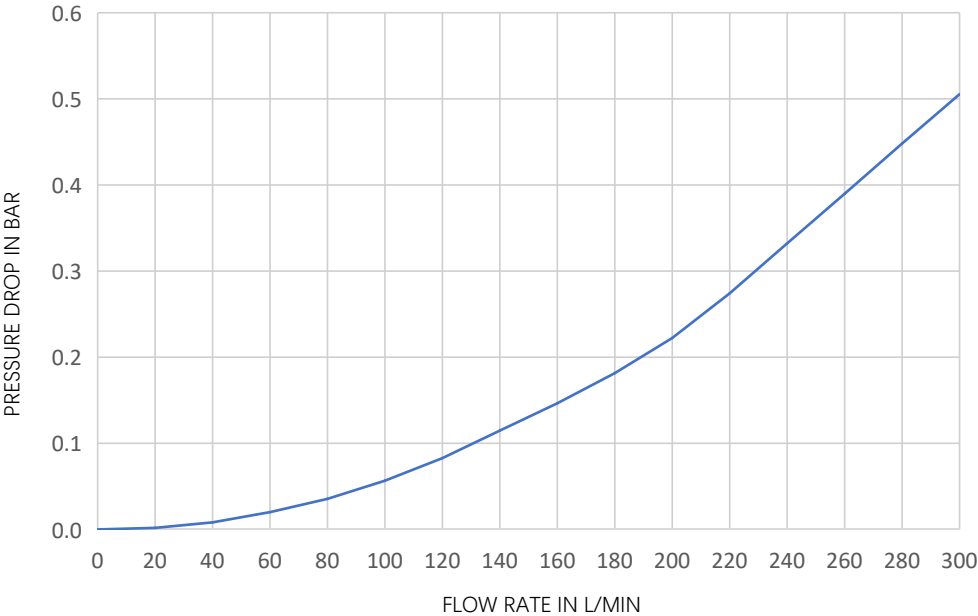
| Dimensions                                                                       | Connection F          | A     | D   | L1  | L     | S  | Part Number     |
|----------------------------------------------------------------------------------|-----------------------|-------|-----|-----|-------|----|-----------------|
|  | G1 1/4" Female Thread | N/A   | Φ64 | N/A | 104.2 | 58 | MDC25S-1SFG122N |
|  | G1 1/4" Male Thread   | 60.5° | Φ64 | 20  | 108.2 | 58 | MDC25S-1SMG122N |

MDC25 Plug, DN25, 316L Stainless Steel, EPDM Seal

| Dimensions                                                                        | Connection F        | A     | D   | L1 | L  | S  | Part Number     |
|-----------------------------------------------------------------------------------|---------------------|-------|-----|----|----|----|-----------------|
|  | G1 1/4" Male Thread | 60.5° | Φ56 | 20 | 72 | 52 | MDC25P-1SMG122N |

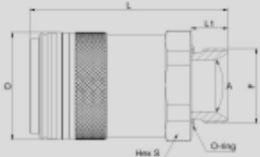
Flow chart

- Condition:
- From plug to socket
  - Liquid: water

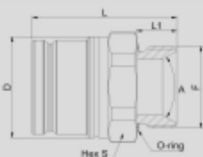




MDC25 Socket, DN25, Aluminium Alloy, EPDM Seal

| Dimensions                                                                       | Connection F       | A     | D   | L1 | L   | S  | Part Number     |
|----------------------------------------------------------------------------------|--------------------|-------|-----|----|-----|----|-----------------|
|  | G1 1/4 Male Thread | 60.5° | Ø62 | 20 | 108 | 58 | MDC25S-1AMG122N |

MDC25 Plug, DN25, Aluminium Alloy, EPDM Seal

| Dimensions                                                                        | Connection F       | A     | D   | L1 | L    | S  | Part Number     |
|-----------------------------------------------------------------------------------|--------------------|-------|-----|----|------|----|-----------------|
|  | G1 1/4 Male Thread | 60.5° | Ø56 | 20 | 72.1 | 52 | MDC25P-1AMG122N |

Flow chart

- Condition:
- From plug to socket
  - Liquid: water

