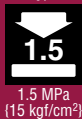


For Air

# Anti-vibration Plug Hose

Plug hose for vibrating and percussive air tools

Working pressure



Applicable fluid



## SHA-3-3R

R3/8 male thread type

## SHA-3-2R

R1/4 male thread type

**Protects the Cupla from shocks generated by vibrating tools and impact tools.**

- Optimizes life and prevents wear of "Cupla" by absorbing strong shocks generated by connected vibrating tools.
- Prevents hard-to-notice flow reduction caused by "Cupla" wear under continuous vibration.
- Flexible rubber hose allows free and wide range of tool motion.
- Can be connected with sockets for Hi Cupla Models 20, 30 and 40. Interchangeable with each corresponding Hi Cupla models.

### Specifications

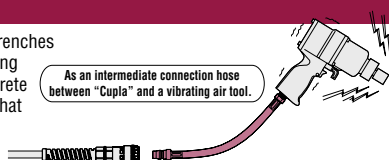
|  |                     |          |
|--|---------------------|----------|
| Applicable fluid                               | Air                 |          |
| Model  | SHA-3-2R            | SHA-3-3R |
| Size   | R 1/4"              | R 3/8"   |
| Inlet (Plug)                                   | Hi Cupla (30PH)     |          |
| Working pressure MPa (kgf/cm <sup>2</sup> )    | 1.5 (15)            |          |
| Pressure resistance MPa (kgf/cm <sup>2</sup> ) | 2.0 (20)            |          |
| Air Hose                                       | Rubber hose for air |          |
| Overall Length                                 | 310 mm              |          |
| Min. Bend Radius                               | 135 mm              |          |

### Interchangeability

Can be connected with sockets of Hi Cupla Models 20, 30 and 40. Interchangeable with each corresponding Hi Cupla Series models.

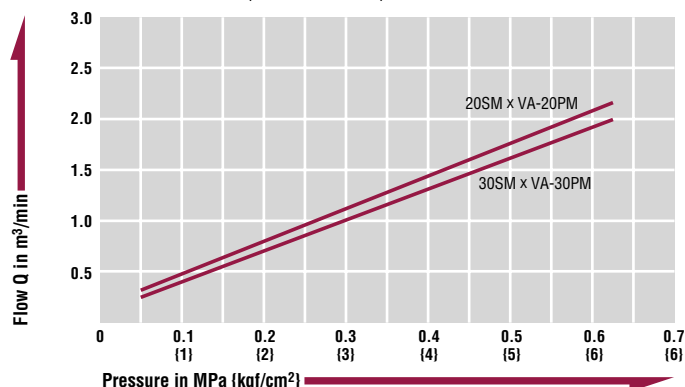
### Application

Suitable for air tools such as impact wrenches used in car maintenance or metalworking industries, and tackers, nailers or concrete breakers in the construction industry, that commonly cause incessant vibrations.



### Pressure - Flow Rated Characteristics (Anti-vibration Plug)

[Test conditions] • Fluid : Air • Temperature : Room temperature

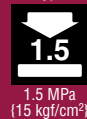


For Air

# Anti-vibration Plug VA Type

Plug for vibrating and percussive air tools

Working pressure



Applicable fluid



**Direct mounting onto vibrating and percussive air tools enabling to absorb strong shocks generated by the tools in order to minimize wear on the sockets.**

- Optimizes the life of the socket by reducing the impact of vibrating and percussive tools by between 1/5 and 1/9, enabling direct mount of the plug on tools.
- Prevents air leaks caused by vibration and maintains enough and steady air supply necessary to operate air tools.
- Adopted light and strong polyurethane cushion inside the plug.
- Direct mounting of the plug onto vibrating and percussive air tools enables quick tool change and easy handling.
- Can be connected with sockets of Full-Blow Cupla series, and Hi Cupla series Models 20, 30 and 40.

Note: Actual vibration absorption effect depends on each operating condition.

### Specifications

|  |  |
|--|--|
| Body material / Cushion material               | Steel • Brass (Chrome-plated) / Polyurethane (Black) |
| Size   | 1/4" (20 type) • 3/8" (30 type)                      |
| Working pressure MPa (kgf/cm <sup>2</sup> )    | 1.5 (15)   |
| Pressure resistance MPa (kgf/cm <sup>2</sup> ) | 2.0 (20)   |
| Working temperature range                      | -5°C~+60°C   |

### Max. Tightening Torque

N•m (kgf•cm)

| Size   | 1/4"   | 3/8"     |
|--------|--------|----------|
| Torque | 9 (92) | 11 (112) |

### Interchangeability

Can be connected with sockets of Full-Blow Cupla, and sockets of Hi Cupla series Models 20, 30 and 40. Interchangeable with each corresponding Hi Cupla Series models.

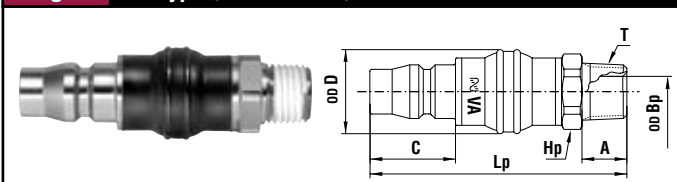
### Suitability for Vacuum

Not suitable for vacuum application in either connected or disconnected condition.

### Models and Dimensions

WAF : WAF stands for width across flats.

#### Plug PM type (Male thread)



| Model   | Application | Mass (g) | Dimensions (mm) |         |    |    |       |     |      |
|---------|-------------|----------|-----------------|---------|----|----|-------|-----|------|
|         |             |          | Lp              | Hp(WAF) | A  | C  | T     | øBp | øD   |
| VA-20PM | Rc 1/4      | 37       | 63              | Hex.17  | 11 | 21 | R 1/4 | 7.5 | 20.6 |
| VA-30PM | Rc 3/8      | 42       | 64              | Hex.17  | 12 | 21 | R 3/8 | 7.5 | 20.6 |

Before use, please be sure to read "Safety Guide" described at the end of this book and "Instruction Sheet" that comes with the products.