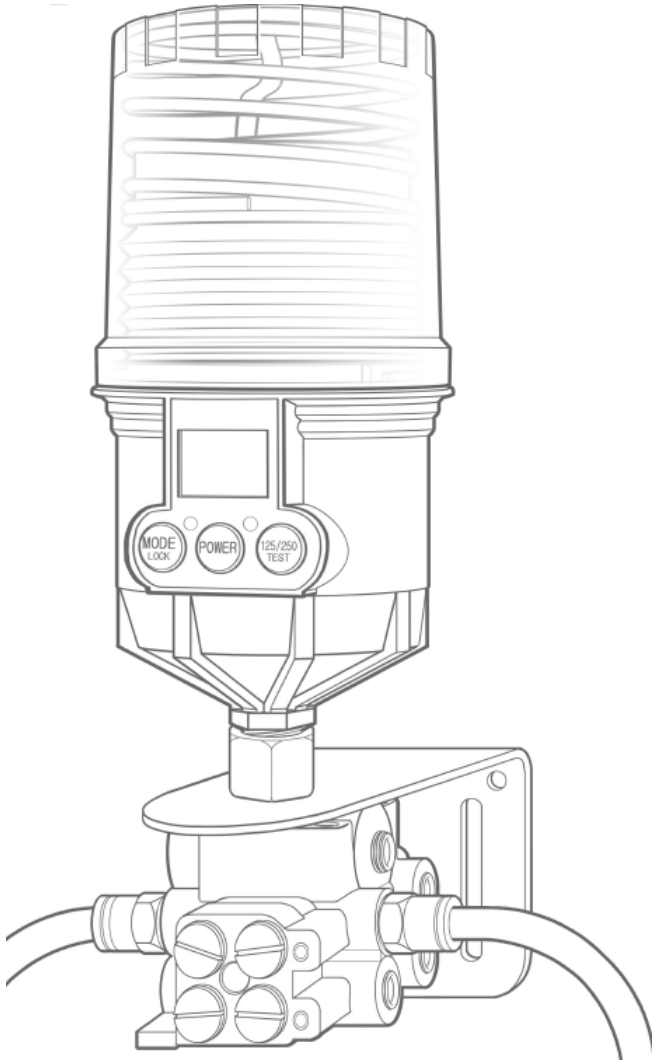
Pulsarlube
Divider block



Rev.00

CONTENTS

How the divider block works

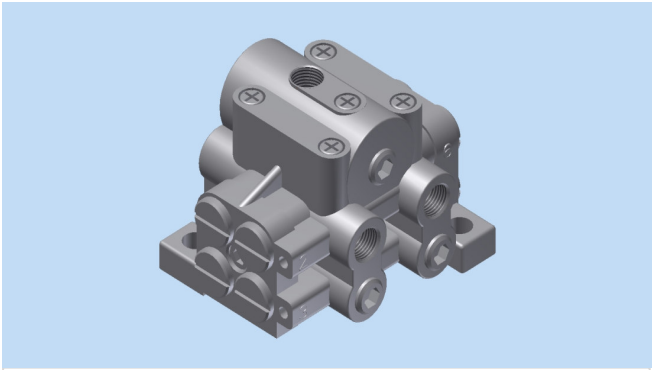
Installation Guide

Caution for Installation

Case study

1-1) DIVIDER BLOCK (Progressive Type)

Divider block pumps fixed amount of pressurized oil(contents) into each discharge outlet through the progressive movement of the pistons arranged in sequence.

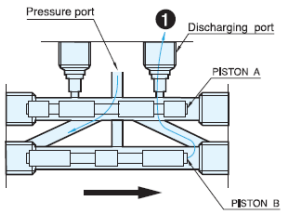


DIVIDER BLOCK

Spec	Description
Number of outlets	2~8 point
Material	Aluminum
Discharge pressure	Operation pressure : 5kg/cm² Max. operating pressure : 100kg/cm²
Operation Grease (NLGI grade)	000, 00, 0, 1, 2 ***NLGI #1 & #1.5 are recommended for use**
Discharge amount	0.3ml / stroke

1-2) How the HU-Divider Block works

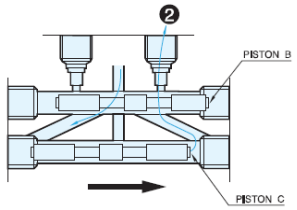
#1 port



The pressurized lubricant goes through the gap of the PISTON A and pushes the left side of PISTON B.

PISTON B moves to the right then pushes back the grease on the right side through the gap of the PISTON A and to the discharging outlet #1.

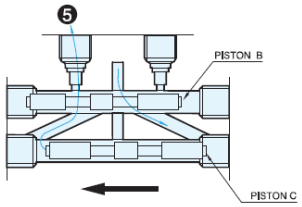
#2 port



After moving PISTON B to the right side, the pressurized lubricant pushes the left side of PISTON C through the gap of PISTON B.

PISTON C moves to the right side then pushes back the grease through the gap of PISTON B and to the discharging outlet #2.

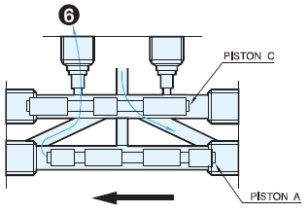
#5 port



After moving PISTON B to the left side, the pressurized lubricant pushes the right side of PISTON C through the gap of PISTON B.

PISTON C moves to the left side then pushes back the grease through the gap of PISTON B and to the discharging outlet #5.

#6 port

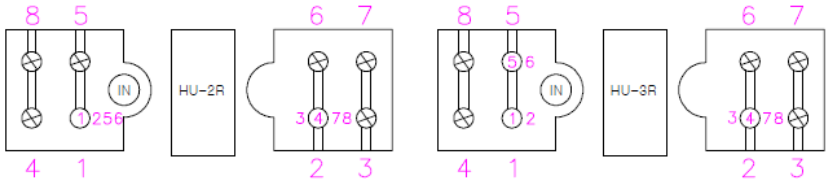


After moving PISTON C to the left side, the pressurized lubricant pushes the right side of PISTON A through the gap of PISTON C.

PISTON A moves to the left side then pushes back the grease through the gap of PISTON C and to the discharging outlet #6.

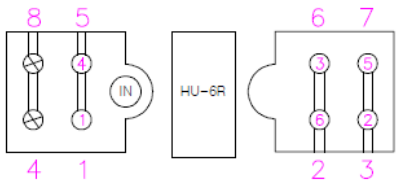
1-3) Divider Block Diagram

HU-2R

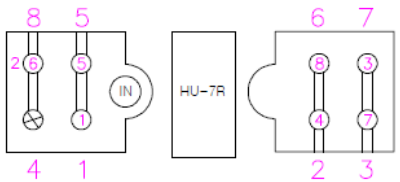


HU-3R

HU-6R

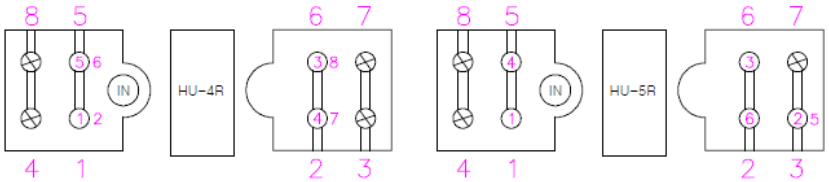


HU-7R



Ratio : 1 : 1 : 1 : 1 : 1 : 1 (Same dispensing)

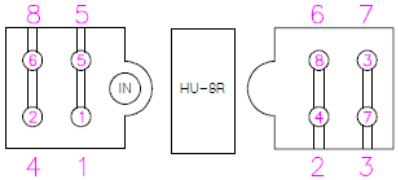
HU-4R



HU-5R

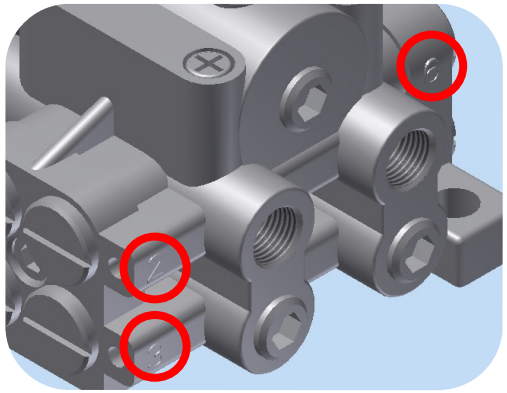
Ratio : 1 : 1 : 1 : 1 (Same dispensing)

HU-8R



Ratio : 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1 (Same dispensing)

1-4) Discharging Flow chart



Outlet No. is imprinted on product surface.

Discharging amount per cycle : 0.3ml

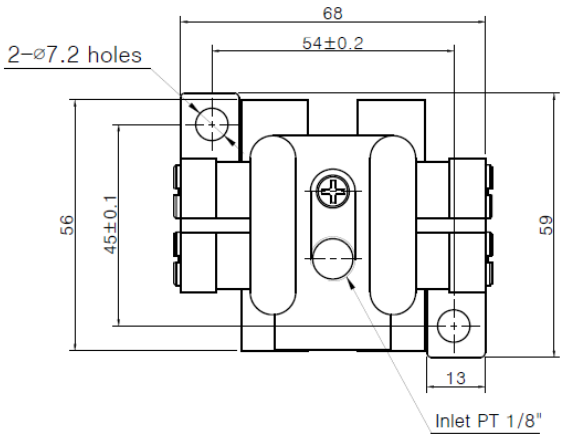
HU-2RS	1→1→2→2	
HU-3RS	1→1→②→②→5→5→②→②	Port no. 2 / twice discharging
HU-4RS	1→1→6→2→5→5→2→6	
HU-5RS	1→③→6→5→③→2	Port no. 3 / twice discharging
HU-6RS	1→3→6→5→7→2	
HU-7RS	1→⑧→7→2→5→⑧→3→6	Port no. 8 / twice discharging
HU-8RS	1→4→7→2→5→8→3→6	

※ Divider block operates in fixed sequence. The working sequence cannot be changed.

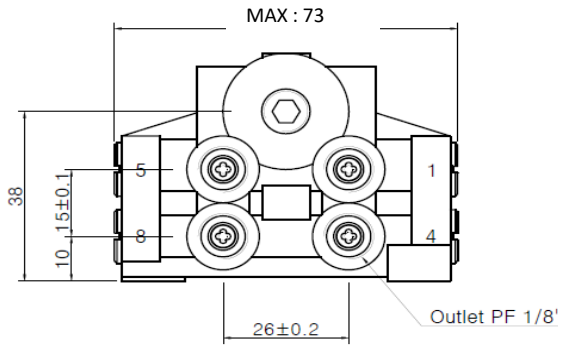
Please note that twice discharging port dispenses the double the amount of grease.

1-5) External Figure Size

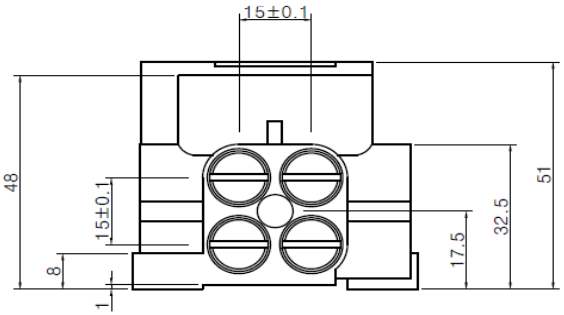
TOP



FRONT



SIDE



1-6) How to choose the proper HU divider block

Check for a total number of desired lube points

i.e.) two lube points located each on the front & back of the bearing housing

→ Choose HU-4RS to install 4 lube points

***NOTE** : The quantity of discharging outlet ports should be the same as the quantity of desired lubrication points.

Select proper installation point for divider block & the remote installation kit - NLGI#, inner diameter of tube, length & ambient temperature should be considered

The distance between divider block and lubrication point should be ***max. 6m with Out diameter 6mm***.

i. e.) In case using divider block with discharging outlet 4 point.

→ 1st port(2m), 2nd port (3m), 5th port (3m), 6th port (6m) → (O)

→ 1st port(2m), 2nd port (3m), 5th port (3m), 6th port **(7m)** → (X)

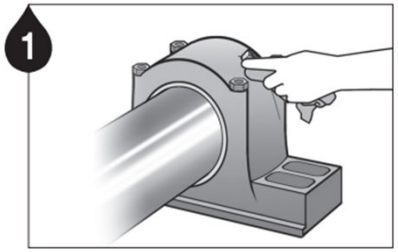
Note the grease amount differs per discharging port (certain points dispense double the amount)

Please consider that the discharging amount will be different according to each discharging outlet port#.

(Refer back to the Operation Flow Chart on slide no. 6)

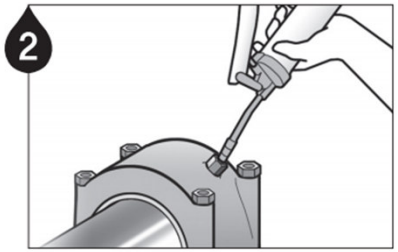
2-1) Installation guide

1



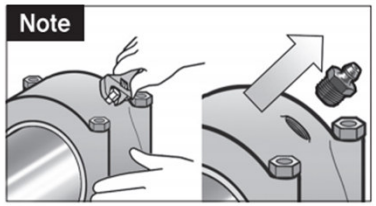
Remove contaminants around the lube point.

2



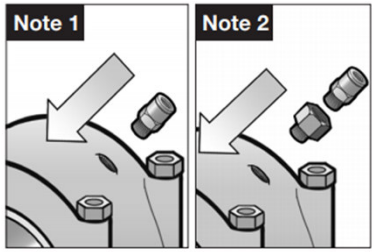
Ensure a clear passage using a manual grease gun. Note1 Remove any hardened grease by purging the lube point with a manual grease gun.
Note2 The grease in the equipment and the grease contained in the unit should be the same or compatible.

Note



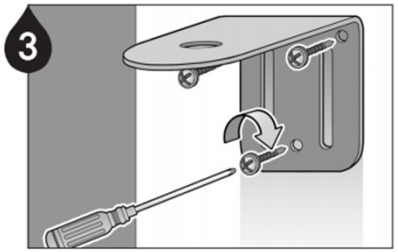
Remove the grease nipple.

Note 1 Note 2



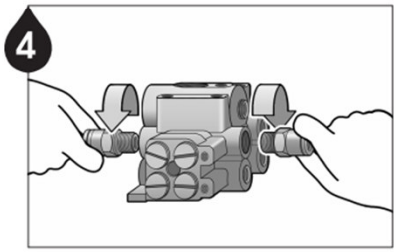
Note1 Install A240, a push-in type tube fitting, directly onto the lube point.
Note2 If necessary, use appropriate adaptors to install A240.

3



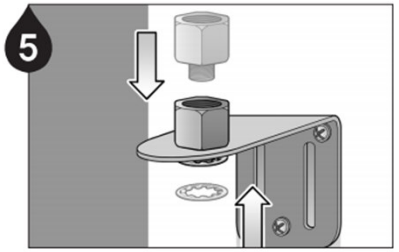
Install the mounting bracket(B002) at a proper location using screws(B051).

4



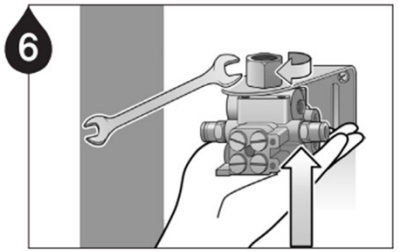
Screw in the push-in fitting connectors to each port of the divider block.
Note1 It is recommended to seal the connected fittings using a thread sealant product (Loctite 572,577).
Note2 Use a 90° push-in swivel fitting when applicable.

5



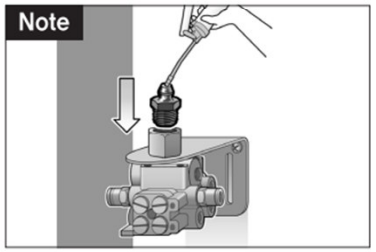
Install the adaptor(A002) on the fixed mounting bracket with the washer(B058) on the bottom.

6



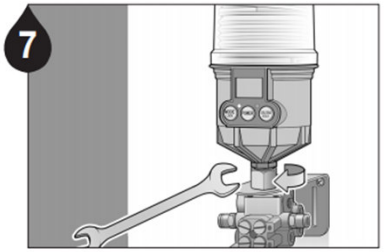
Connect the divider block to the adaptor, washer, and mounting bracket and turn the adaptor(A002) clockwise to tighten.

Note



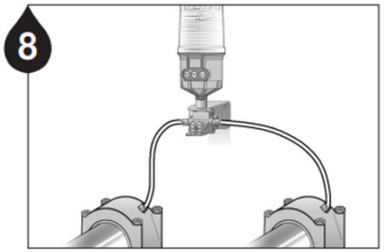
Prefill the divider block with the same or compatible grease using a grease gun and a 3/8" grease nipple.

7



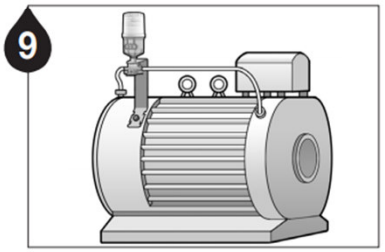
Install the lubricator onto the mounting bracket using a 17mm wrench.

8



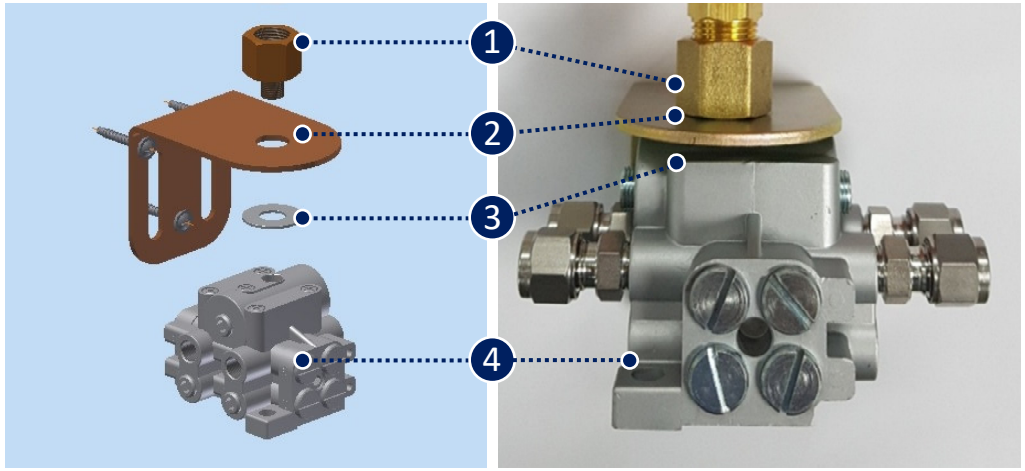
For typical bearing applications, install the divider block to the equipment using either copper or nylon tubes.

9



For motor bearing applications, install the mounting bracket at a proper location using the 2 point remote installation kit and then connect the lube-lines to both bearings.

2-2) Guide for 1250MD KIT (2~8 Point)



A002	B002	B058	HU-2RS~8RS
Reducer 3/8"F x 1/8"M Adaptor	Mounting Bracket, "L“ shape	Tooth Washer	Divider block 2~8 Ports (grease type)

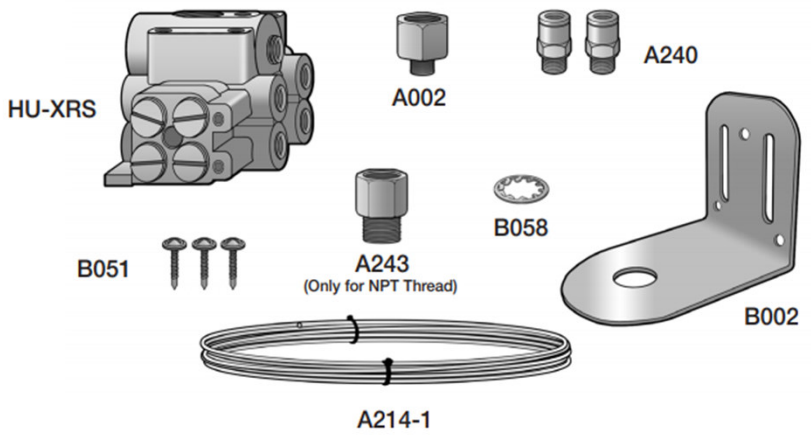
CHECK

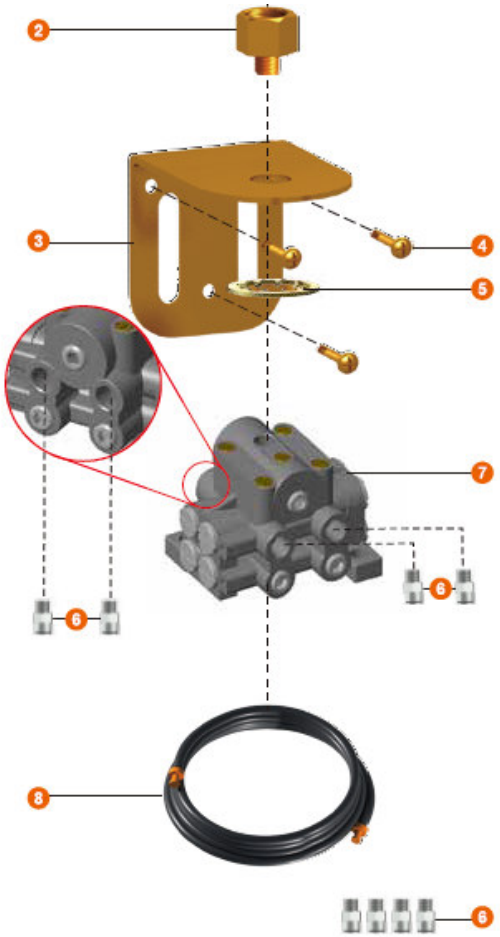
1. Electromechanical type in common use (M, MS&MSP, EXP/EXPL, Mi, PLC, BT)
2. 1250MD-2~8 KIT available for order

2-2) Guide for 1250MD KIT (2~8 Point)

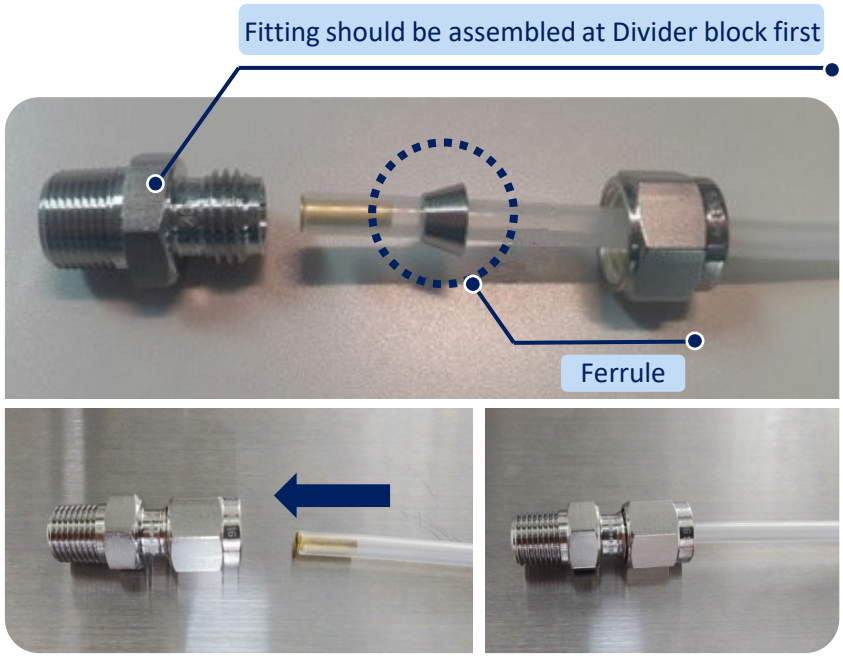
Detailed Parts

No.	Part No.	Available Kits & Component Parts						
		1250MD-2	1250MD-3	1250MD-4	1250MD-5	1250MD-6	1250MD-7	1250MD-8
①	M unit	Sold separately						
②	A002	1ea						
③	B002	1ea						
④	B051	3ea						
⑤	B058	1ea						
⑥	A240	4ea	6ea	8ea	10ea	12ea	14ea	16ea
⑦	HU-XRS	HU-2RS	HU-3RS	HU-4RS	HU-5RS	HU-6RS	HU-7RS	HU-8RS
⑧	A243 (USA only)	2ea	3ea	4ea	5ea	6ea	7ea	8ea
⑨	A214-1	1ea	2ea	2ea	3ea	3ea	4ea	4ea

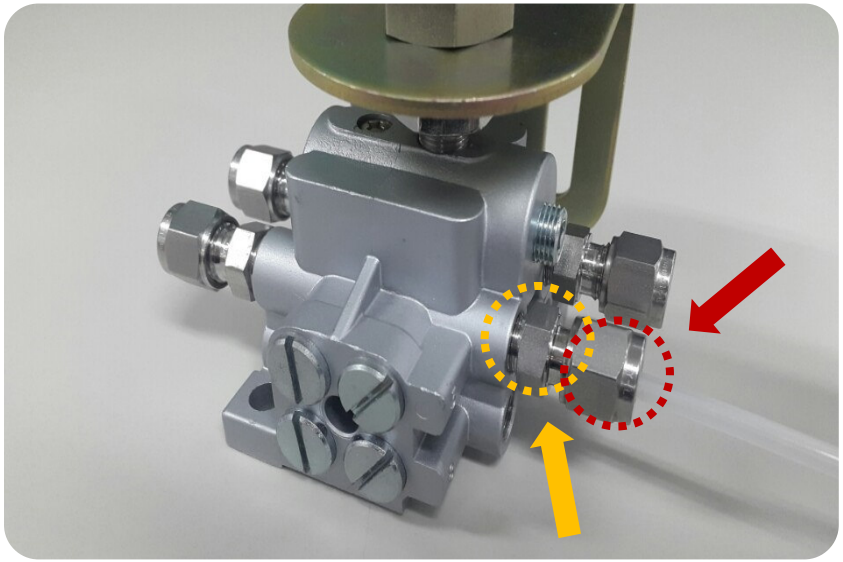




3-2) Installation Checkpoints #2



Unscrew the assembled tube fitting and insert the ferrule to the tube as shown in the picture above.
Possible to assemble the tube to the tube fitting after the insert is put inside the tube.



To fix the assembled tube fitting, please hold on to the yellow mark by using any tool, then fasten the nut of tube fitting (red mark) strongly.

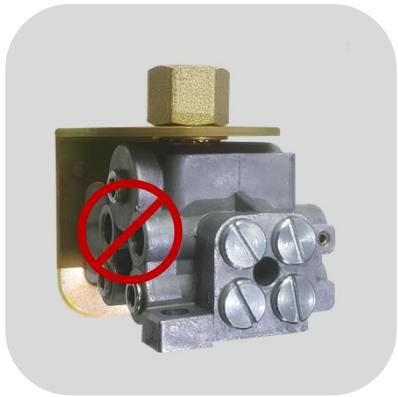
CAUTION for INSTALLATION

3-3) Installation Checkpoints #3



Please do not dismantle the divider block.

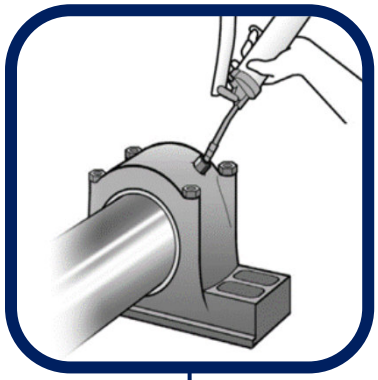
If you try to fasten or release any bolt, the operating piston will not work in progressive process which will clog the port.



Removing the plug of any discharging points is prohibited.

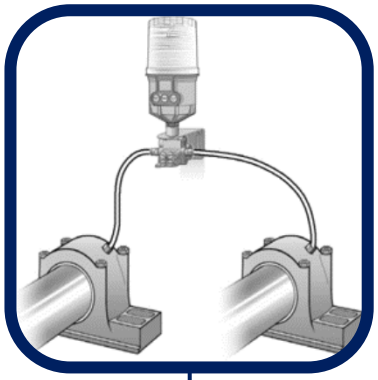
CAUTION for INSTALLATION

4) Caution for installation of Divider block



1

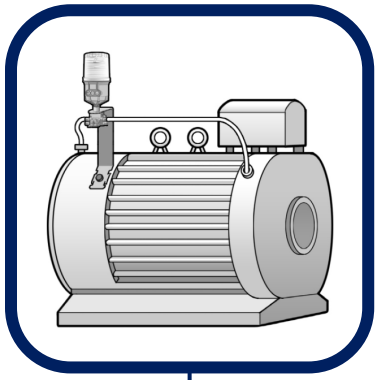
Please check the bearing back-pressure through grease gun at installation.
Then check the working condition(backpressure) using a test mode on the lubricator.



2

Please install in place that the minimum difference between longest tubing position and shortest tubing position.
(Tube length ≤ 6m)

4) Caution for installation of Divider block



3

Periodic Check points

1) Checking for any leakage on installed divider block

2) Checking for any damage on the tube lines



4

Restart from Equipment shut down for a long time

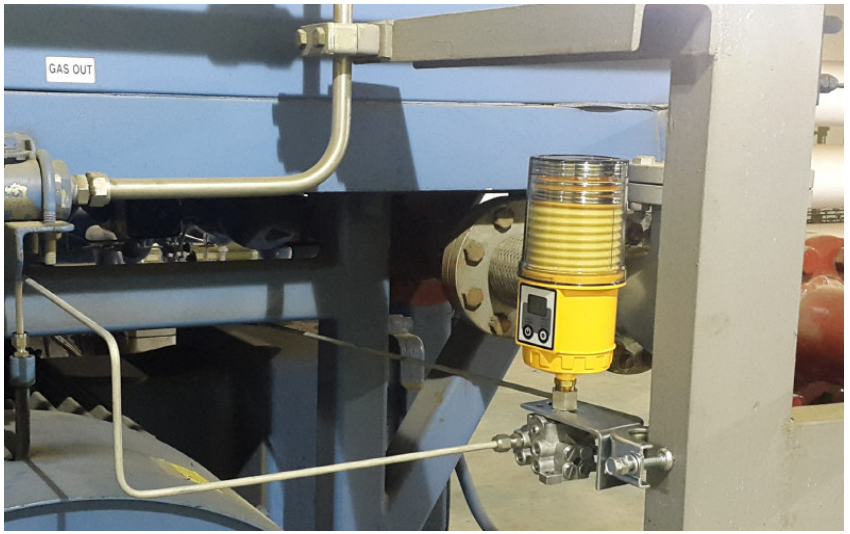
The grease might be hardened in the tube line or divider block, so try using Purge mode (TEST MODE) which should be done via pressing the TEST button.

CASE STUDY

Using HU-4RS Divider block



Using HU-2RS Divider block



CASE STUDY

Using HU-2RS Divider block



Using HU-4RS Divider block with SRM

