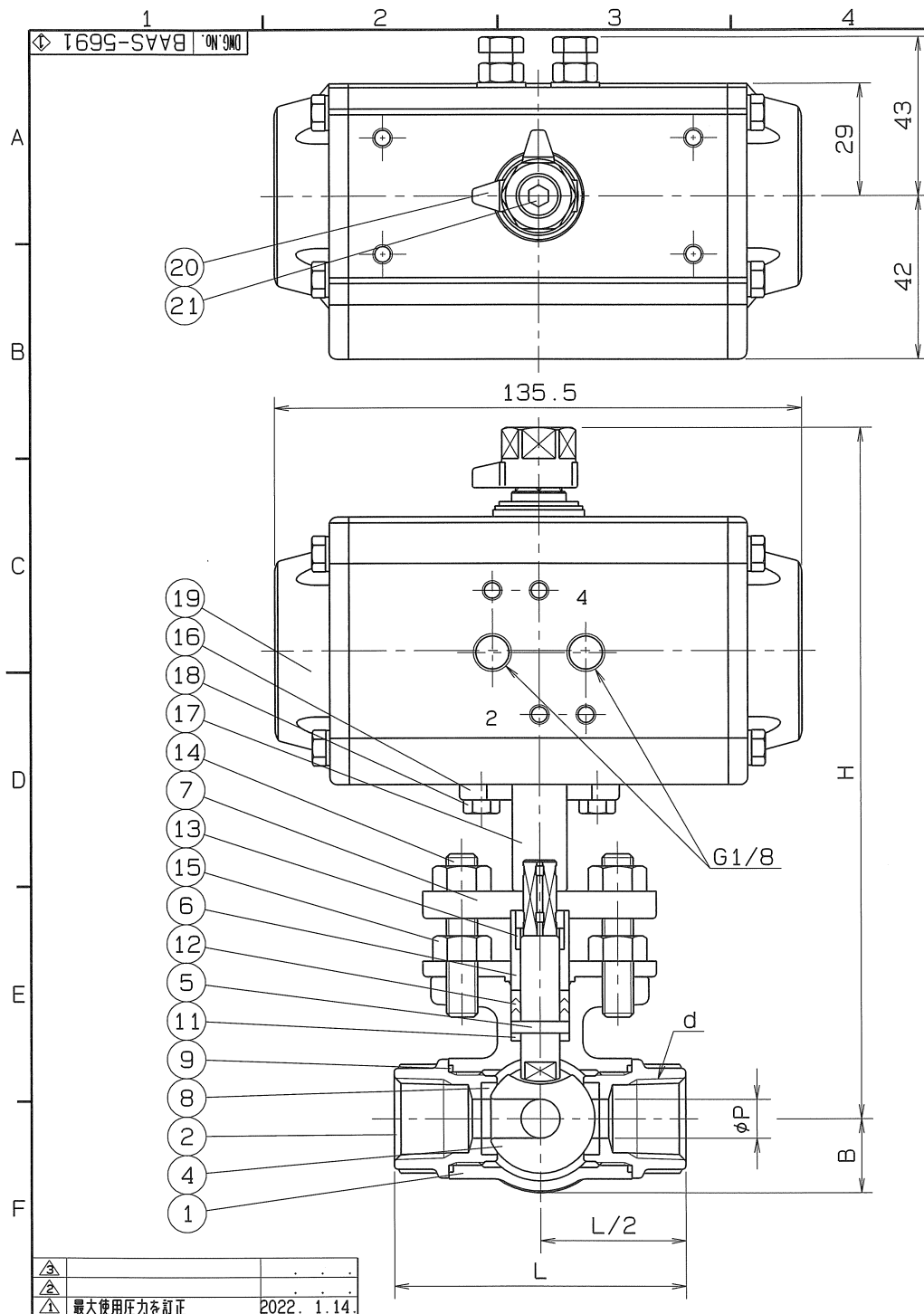




| 6    |    |    | 7            |    |    | 8   |                  |       |
|------|----|----|--------------|----|----|-----|------------------|-------|
| SIZE | P  | L  | PIPE THREADS | A  | B  | H   | CYLINDER<br>SIZE | Q, TY |
|      |    |    | d            |    |    |     |                  |       |
| 1/2  | 10 | 75 | Rc 1/2       | 39 | 19 | 179 | AT051UD          |       |
| 3/4  | 15 | 85 | Rc 3/4       | 43 | 23 | 183 | AT051UD          |       |

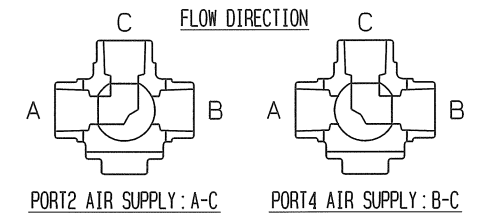
| SPEC.  |            | TEST PRESSURE |               |
|--------|------------|---------------|---------------|
| FLUID  | 清水         | SHELL         | HYDRO 2.1 MPa |
| PRESS. | 1.0 MPa 未満 | SEAT          | AIR 0.6 MPa   |
| TEMP.  | 常温         | AIR           | MPa           |



注) 上記の流体条件と異なる場合  
シリンダサイズが変更になる場合があります。

#### TORQUE CYLINDER

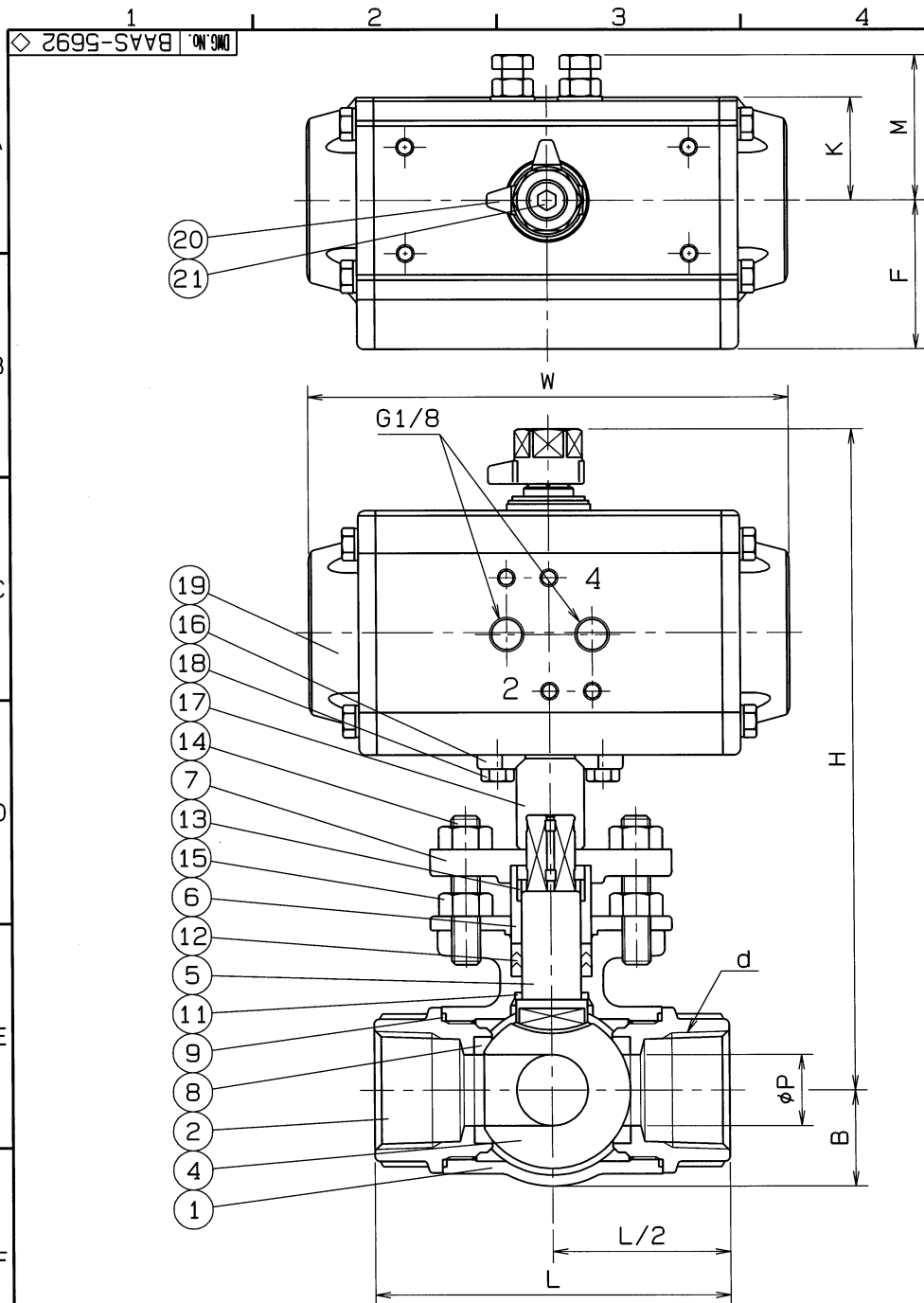
| TYPE            | ATUD    |                    |         |
|-----------------|---------|--------------------|---------|
| ACTION          | DOUBLE  | OPERATION PROPERTY | ON-OFF  |
| SUPPLY PRESSURE | 0.4 MPa | HAND DEVICE        | NOTHING |



PIPE THREADS CONFORM WITH "JIS B 0203"

| No.                           | NAME OF PARTS                                                   | Q.TY        | MATERIALS  | REMARKS      |
|-------------------------------|-----------------------------------------------------------------|-------------|------------|--------------|
| 21                            | CAP HEAD BOLT                                                   | 1           | SUS 304    |              |
| 20                            | INDICATOR                                                       | 1           | SCS 13     |              |
| 19                            | TORQUE CYLINDER                                                 | 1           |            |              |
| 18                            | HEXAGON BOLT                                                    | 4           | SUS 304    |              |
| 17                            | COUPLING                                                        | 1           | SCS 13     |              |
| 16                            | BRACKET                                                         | 1           | SCS 13     |              |
| 15                            | HEXAGON NUT                                                     | 4           | SUS 304    |              |
| 14                            | GLAND BOLT                                                      | 2           | SUS 304    |              |
| 13                            | STEM BEARING                                                    | 1           | P.T.F.E.   | GLASS FILLED |
| 12                            | GLAND PACKING                                                   | 1set        | P.T.F.E.   |              |
| 11                            | THRUST BEARING                                                  | 1           | P.T.F.E.   | GLASS FILLED |
| 10                            | GASKET PACKING                                                  | 1           | P.T.F.E.   |              |
| 9                             | GASKET PACKING                                                  | 2           | P.T.F.E.   |              |
| 8                             | BALL SEAT                                                       | 4           | P.T.F.E.   |              |
| 7                             | GLAND                                                           | 1           | SCS 13     |              |
| 6                             | GLAND SLEEVE                                                    | 1           | SUS 316    |              |
| 5                             | STEM                                                            | 1           | SUS 304    |              |
| 4                             | BALL DISC                                                       | 1           | SUS 304    |              |
| 3                             | BLIND CAP                                                       | 1           | SCS 13     |              |
| 2                             | BODY CAP                                                        | 2           | SCS 13     |              |
| 1                             | BODY                                                            | 1           | SCS 13     |              |
| No.                           | NAME OF PARTS                                                   | Q.TY        | MATERIALS  | REMARKS      |
| NAME                          | JIS 10K SCREWED ENDS TORQUE CYLINDER OPE. THREE WAY BALL VALVES |             |            |              |
| TYPE                          | N-730L-HY2                                                      | SIZE        | 1/2, 3/4B  |              |
| DMG.No.                       | BAAS-5691                                                       | APPROVED BY | H. Ogawa   |              |
| DATE                          | JAN. 22, 2020                                                   | CHECKED BY  | H. Ogawa   |              |
| SCALE                         |                                                                 | DESIGNED BY | R. Matsuki |              |
| THIRD ANGLE PROJECTION METHOD |                                                                 | DRAWN BY    | T. Baba    |              |

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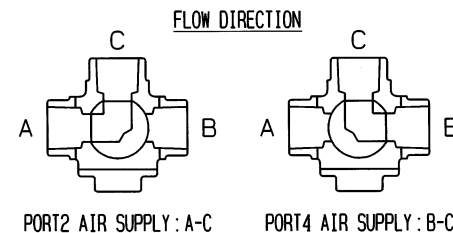
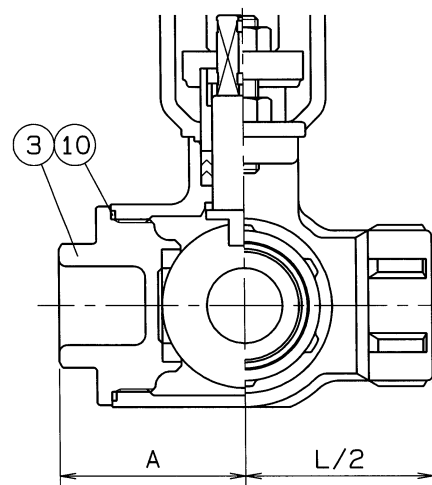
| SIZE  | P  | L   | PIPE THREADS<br>d | A    | B    | H   | W     | F    | K    | M  | CYLINDER<br>SIZE | Q, TY |
|-------|----|-----|-------------------|------|------|-----|-------|------|------|----|------------------|-------|
| 1     | 20 | 100 | Rc 1              | 49.5 | 27   | 187 | 135.5 | 42   | 29   | 43 | AT051UD          |       |
| 1 1/4 | 25 | 115 | Rc 1 1/4          | 57   | 33.5 | 207 | 153.5 | 48.5 | 36   | 50 | AT101UD          |       |
| 1 1/2 | 32 | 125 | Rc 1 1/2          | 65   | 40   | 252 | 203.5 | 50.5 | 42.5 | 60 | AT201UD          |       |
| 2     | 40 | 150 | Rc 2              | 76   | 44   | 258 | 203.5 | 50.5 | 42.5 | 60 | AT201UD          |       |

| SPEC.  |            | TEST PRESSURE |         |
|--------|------------|---------------|---------|
| FLUID  | 清水         | SHELL HYDRO   | 2.1 MPa |
| PRESS. | 1.0 MPa 未満 | SEAT AIR      | 0.6 MPa |
| TEMP.  | 常温         | AIR           | MPa     |

注) 上記の流体条件と異なる場合  
シリンダサイズが変更になる場合が  
あります。

#### TORQUE CYLINDER

| TYPE               | ATUD    |                       |         |
|--------------------|---------|-----------------------|---------|
| ACTION             | DOUBLE  | OPERATION<br>PROPERTY | ON-OFF  |
| SUPPLY<br>PRESSURE | 0.4 MPa | HAND<br>DEVICE        | NOTHING |



PIPE THREADS CONFORM WITH 'JIS B 0203'

|    |                 |      |          |              |
|----|-----------------|------|----------|--------------|
| 21 | CAP HEAD BOLT   | 1    | SUS 304  |              |
| 20 | INDICATOR       | 1    | SCS 13   |              |
| 19 | TORQUE CYLINDER | 1    |          |              |
| 18 | HEXAGON BOLT    | 4    | SUS 304  |              |
| 17 | COUPLING        | 1    | SCS 13   |              |
| 16 | BRACKET         | 1    | SCS 13   |              |
| 15 | HEXAGON NUT     | 4    | SUS 304  |              |
| 14 | GLAND BOLT      | 2    | SUS 304  |              |
| 13 | STEM BEARING    | 1    | P.T.F.E. | GLASS FILLED |
| 12 | GLAND PACKING   | 1set | P.T.F.E. |              |
| 11 | THRUST BEARING  | 1    | P.T.F.E. | GLASS FILLED |
| 10 | GASKET PACKING  | 1    | P.T.F.E. |              |
| 9  | GASKET PACKING  | 2    | P.T.F.E. |              |
| 8  | BALL SEAT       | 4    | P.T.F.E. |              |
| 7  | GLAND           | 1    | SCS 13   |              |
| 6  | GLAND SLEEVE    | 1    | SUS 316  |              |
| 5  | STEM            | 1    | SUS 304  |              |
| 4  | BALL DISC       | 1    | SUS 304  |              |
| 3  | BLIND CAP       | 1    | SCS 13   |              |
| 2  | BODY CAP        | 2    | SCS 13   |              |
| 1  | BODY            | 1    | SCS 13   |              |

| No.                           | NAME OF PARTS                                                      | Q. TY       | MATERIALS   | REMARKS |
|-------------------------------|--------------------------------------------------------------------|-------------|-------------|---------|
| NAME                          | JIS 10K SCREWED ENDS TORQUE CYLINDER OPE.<br>THREE WAY BALL VALVES |             |             |         |
| TYPE                          | N-730L-HY2                                                         | SIZE        | 1~2B        |         |
| ENG.No.                       | BAAS-5692                                                          | APPROVED BY | H. Ogura    |         |
| DATE                          | JAN. 22. 2020                                                      | CHECKED BY  | H. Ogura    |         |
| SCALE                         | :                                                                  | DESIGNED BY | R. Matsuki  |         |
| THIRD ANGLE PROJECTION METHOD |                                                                    | DRAWN BY    | T. Otsomoto |         |

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