

Flushing ring

Model : A100

Spec. sheet no. AD01-01

Service intended

Flushing Ring is designed to be used with a flange, pancake, or inline diaphragm seals. The flushing ring have two lateral NPT ports to flush out the collected process medium adjacent to the diaphragm seal. A flushing ring is great for use with diaphragm seal model numbers A100, when there is a potential of the deposits from the process medium blocking access to the diaphragm seals. The flushing ring is designed to be sandwiched between the process flange and the diaphragm seal. Material gathered in front of the diaphragm could be flushed out through the flushing bore holes. The flushing ring also can be used to vent the process. Several standard widths and sizes are available to fit different process conditions and applications.



Process connection

ANSI 1/2" to 4" per ASME

Main order

1. Base model

A100 Flusing ring

2. Flushing ring material

- BX** 304SS
- DX** 304L SS
- CX** 316SS
- EX** 316L SS, 1/4" NPT(M)
- LX** Monel, 3/8" NPT(M)
- KX** Hastelloy-C, 1/2" NPT(M)
- RX** 304SS with PTFE coating
- SX** 316SS with PTFE coating
- 51** 316L SS with PTFE coating
- 53** PTFE
- 54** PVC
- ZZ** Other

3. Process connection type

XXX Refer to process connection type table

4. Plug connection size

- | | |
|----------------------------|----------------------------|
| 0 One - 1/4" NPT(F) | 4 Two - 3/8" NPT(F) |
| 1 One - 3/8" NPT(F) | 5 Two - 1/2" NPT(F) |
| 2 One - 1/2" NPT(F) | 9 Other |
| 3 Two - 1/4" NPT(F) | |

Sample ordering code

| | | | | | | | |
|-------------|-----------|------------|----------|----------|----------|----------|-----------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| A100 | BX | XXX | 0 | A | A | 1 | 00 |

Ordering information

5. Nipple and plug connection type

- | | |
|-------------------------------|----------------------------|
| A One - With plug | D Two - With nipple |
| B Two - With plug | Z Other |
| C With plug and nipple | N None |

6. Isolation valve material

- A** None
- B** 316SS and 316L SS
- C** Monel
- D** Hastelloy-C
- E** Teflon
- Z** Other

7. Valve gasket material

- 1** Teflone
- 2** Graphite
- 3** None

8. Flange gasket material

- 00** None
- 10** Teflon
- 20** Spiral wound
- 30** Oval gasket (Only RTJ)

Process connection type table - 7th, 8th and 9th characters

| 7 th character | | 8 th , 9 th character | |
|---------------------------|-----------------|---|-----------------------|
| Code | Connection size | | Flange size |
| E | ½" (15A) | AC | B16.5 Class 150 RF |
| F | ¾" (20A) | AE | B16.5 Class 150 FF |
| G | 1" (25A) | AF | B16.5 Class 300 RF |
| H | 1¼" (32A) | AH | B16.5 Class 300 FF |
| J | 1½" (40A) | AJ | B16.5 Class 600 RF |
| K | 2" (50A) | AL | B16.5 Class 600 FF |
| L | 2½" (65A) | KL | JIS 10K RF |
| M | 3" (80A) | KN | JIS 10K FF |
| N | 4" (100A) | KP | JIS 20K RF |
| Z | Other | KR | JIS 20K FF |
| | | KC | JIS 30K RF |
| | | KU | JIS 30K FF |
| | | AS | B16.5 Class 900 RF |
| | | KD | JIS 40K RF |
| | | KV | JIS 40K FF |
| | | A8 | B16.5 Class 150 RTJ |
| | | A9 | B16.5 Class 300 RTJ |
| | | AV | B16.5 Class 600 RTJ |
| | | AT | B16.5 Class 1,500 RF |
| | | AN | B16.5 Class 1,500 FF |
| | | AX | B16.5 Class 1,500 RTJ |
| | | AY | B16.5 Class 2,500 RTJ |
| | | ZZ | Other |