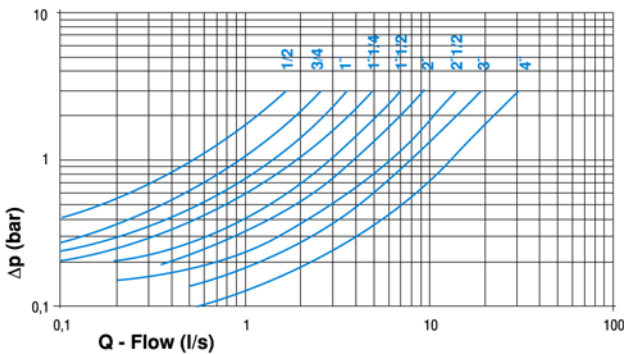


DIMENSION (mm)

| Dn | L | D | H | h1 | h2 |
|--------|-------|-------|-------|-------|-------|
| 1/2" | 76 | ø 73 | 155,5 | 67,5 | 88 |
| 3/4" | 91 | ø 89 | 196 | 73 | 123 |
| 1" | 105 | ø 101 | 201 | 81 | 120 |
| 1 1/4" | 138 | ø 124 | 235 | 82,5 | 152,5 |
| 1 1/2" | 170 | ø 154 | 256 | 95 | 161 |
| 2" | 184 | ø 169 | 270 | 92,5 | 177,5 |
| 2 1/2" | 206,5 | ø 180 | 330 | 121,5 | 208,5 |
| 3" | 204 | ø 192 | 374 | 143 | 231 |
| 4" | 274 | ø 262 | 495,5 | 175 | 320,5 |



Flow Rates @ 3 bar set pressure : m³/hr

| Size : N.B. - Inch | 3/8" | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" | 4" | |
|--|------|------|------|-----|--------|--------|------|--------|------|------|------|
| Inlet Pressure (bars) | 15 | 5,9 | 6,5 | 7,6 | 10,7 | 16,3 | 39,0 | 50,5 | 62,5 | 71,0 | 100 |
| example : 1" valve gives 10,7 m ³ /hr | 10 | 5,4 | 5,5 | 7,2 | 8,8 | 13,5 | 31,5 | 40,6 | 50,7 | 57,0 | 100 |
| | 8 | 5,2 | 4,8 | 6,6 | 7,5 | 12,4 | 27,3 | 34,7 | 57,0 | 48,8 | 85 |
| | 5 | 4,4 | 4,7 | 5,5 | 6,7 | 10,0 | 21,8 | 25,9 | 32,4 | 36,4 | 35,5 |

USE OF THE GRAPHIC

From the line of the inlet pressures, we trace on horizontal line.

From the flows line (m³/h) we trace a vertical line. If in the interface of these two lines we'll find a curve corresponding to one of the size of the pressure reducing valve, we could establish the flow and the size of the requested pressure reducing valve. If it is not so, moving towards the first curve on the right, we increase the flow and the size of the pressure reducing valve, moving on the left.

1st EXAMPLE TO GET THE SIZE OF THE PRESSURE REDUCING VALVE:

- Inlet pressure 11.5 bar
- Preset 4 bar
- Requested flow 14m³/h

The pressure reducing valve which must be used is 1 1/4" size and it will have a flow of about 15.3m³/hr. (We have used the first curve on the right of the interface. If we had used the first curve on the left of the interface, we should have a lower flow in comparison with the requested one).

2nd EXAMPLE TO GET THE SIZE OF THE PRESSURE REDUCING VALVE.

- Inlet pressure 20 bar
- Preset 5 bar
- Requested flow 27m³/hr

The pressure reducing valve which must be used is 1 1/4" size and it will have a flow of about 19.5m³/hr. If the flow is not sufficient, you must use the first curve on the right of the interface, so that the size you must get is 1 1/2" which will have a flow of 43.5m³/hr.

N B - This diagram comes from laboratory tests form which we have got several key points. For this reason we don't exclude that sometimes the same diagrams can report minimum differences if they are compared with a specific test made with a sample with a fixed preset or with a fixed water speed.

NOTE : WE SERVED THE RIGHT TO ALTER SPECIFICATIONS OR DIMENSIONS WITHOUT PRIOR NOTICE.

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