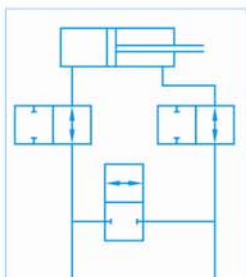


Ball valve-combinations

Shut-off blocks · Technical information

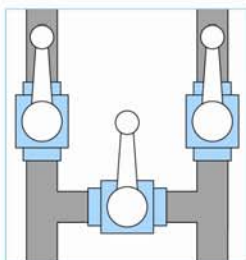


S blocks with integrated bypass and safety-lock



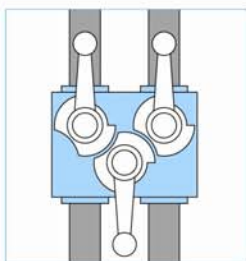
Application/function:

For liquid and oily media as per the compatibility table in the technical data appendix; for insertion upline of actuator cylinders with the capability to both block the cylinder feed lines and to short-circuit them.



The previous situation:

Installation of separate ball valves in the piping system. Here a total of twelve pipe joints must be provided, using two tees. This is labor-intensive and thus expensive. In addition, the hazard of leaks rises with the number of joints.



Our solution for the problem:

Combining the three shut-off functions within a single block by incorporating three ball valve assemblies. Only four pipe connections need to be made. A certain sequence in operation is achieved by cam interlocks on the ball valves:

1. block the rod end
2. open the bypass
3. block the piston end

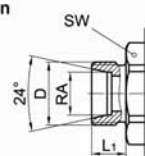
Advantages:

- clear design and user-friendly arrangement
- quick assembly with a reduced number of pipe connections
- reduced hazard of leaks
- m interlocks for the valves give a specific operating sequence and prevent any pressure intensification in the rod end of the cylinder
- switches can be attached

Type of connection

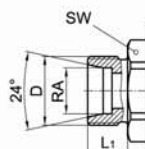
For cut (clamp)
ring tube
fittings
DIN 2353
light series
ISO 8434-1

DN	Thread	RA	L	L ₁
10	M18 x 1,5	12	120	11
12	M22 x 1,5	15	132	12
20	M30 x 2	22	149	14
25	M36 x 2	28	173	14



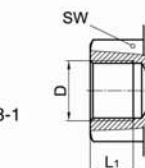
For cut (clamp)
ring tube
fittings
DIN 2353
heavy series
ISO 8434-1

DN	Thread	RA	L	L ₁
10	M22 x 1,5	14	126	14
12	M24 x 1,5	16	136	14
20	M36 x 2	25	157	18
25	M42 x 2	30	185	20



BSP-female
thread
DIN EN ISO 228-1

DN	Thread	RA	L	L ₁
10	G 3/8	-	118	14
12	G 1/2	-	131	15
20	G 3/4	-	143	18
25	G 1	-	178	18



NPT-female thread
ANSI/ASME
B1.20.1-1983

DN	Thread	RA	L	L ₁
10	3/8 -18 NPT	-	118	10,3
12	1/2 -14 NPT	-	131	13,6
20	3/4 -14 NPT	-	143	14,1
25	1 -11 1/2 NPT	-	178	16,8

