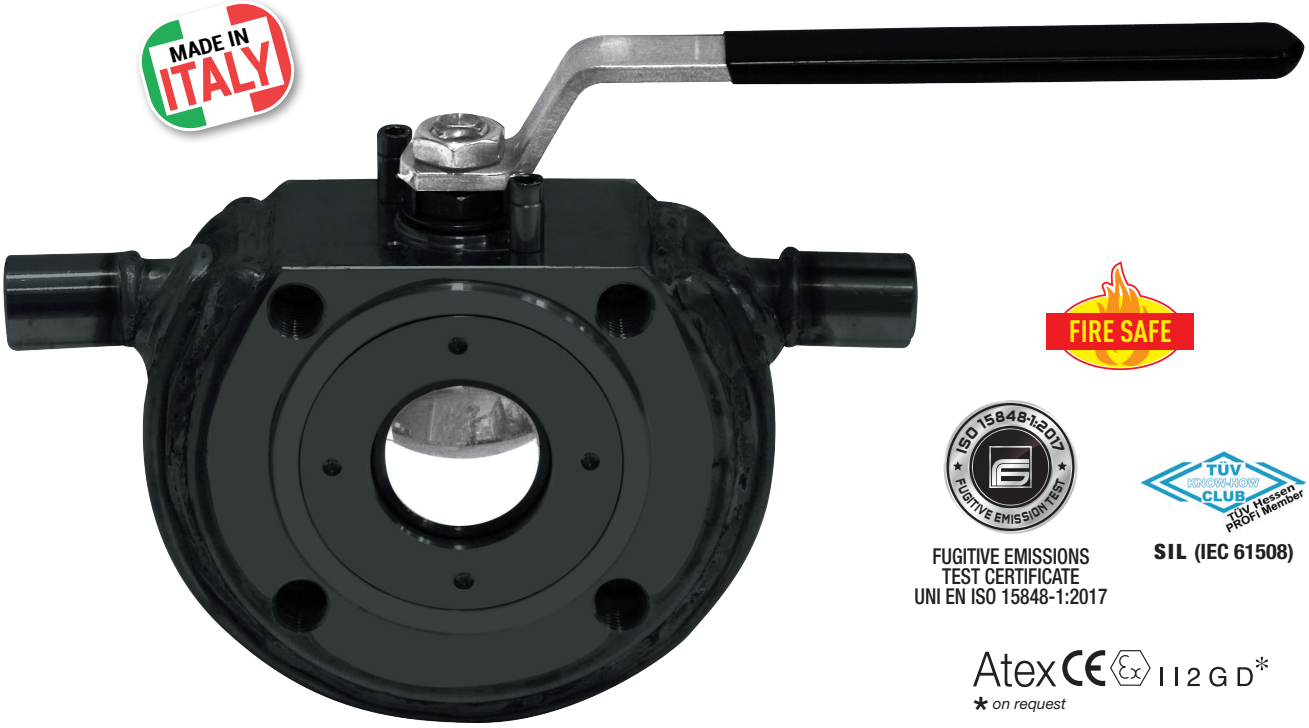
MOON CR ANSI



FIRE SAFE

ISO 15848-1:2017 FUGITIVE EMISSION TEST

FUGITIVE EMISSIONS TEST CERTIFICATE UNI EN ISO 15848-1:2017

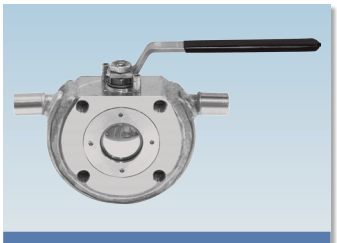
TÜV KNOW-HOW CLUB TÜV Hessen PROFI Member

SIL (IEC 61508)

Atex CE Ex II 2 G D*

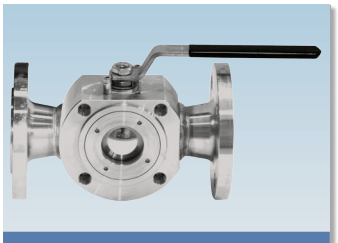
** on request*

STAINLESS STEEL



art. P10A....005	MOON ND 316/316/JACK. 304
art. L10A....005	MOON 316/316/JACK. 304

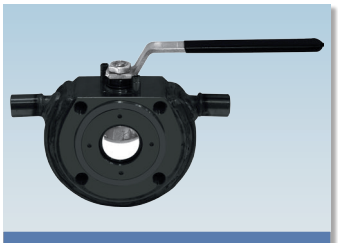
(Extension nipples) up to 3" (treated 1/2" NPT)
(Extension nipples) up to 4" (treated 1" NPT)



art. P10A....001	MOON ND 316/316/JACK. 304
art. L10A....001	MOON 316/316/JACK. 304

(Extension nipples) up to 3" (flg 1/2" ANSI150)
(Extension nipples) up to 4" (flg 1" ANSI150)

CARBON STEEL



art. P70A....005	MOON ND 105/304/JACK. 105
art. L70A....005	MOON 105/304/JACK. 105

(Extension nipples) up to 3" (treated 1/2" NPT)
(Extension nipples) up to 4" (treated 1" NPT)



art. P70A....001	MOON ND 105/304/JACK. 105
art. L70A....001	MOON 105/304/JACK. 105

(Extension nipples) up to 3" (flg 1/2" ANSI150)
(Extension nipples) up to 4" (flg 1" ANSI150)

*** (P= Moon ND / L= Moon standard)**

MAIN STANDARD FEATURES:

- **CONSTRUCTION:** Only from bar.
- **Body material:** Aisi316 – Aisi304 – A105
- **Heating jacket:** ANSI 304 - A105.
- **JACKET CONNECTIONS:** FF NPT ANSI B1.20.1 or FLANGE ANSI150.
- For construction features of valves please refer to the relevant technical tables of the MOON VALVE ANSI

GENERAL APPLICATIONS:

Applications: on-off valve where a steady temperature of the fluid is needed inside the valve by circulation of hot water, oil or other fluids inside the jacket mounted outside the valve body.
For special application please check the suitability of the valve for the process and the required corrosion resistancy using the relevant table.

SPECIAL EXECUTIONS:

- Ball with relief hole
- ⋆ **Valve for chocolate production AISI 304L with metal cavity filled inside**
- For further special requests please consult our technical / commercial service.

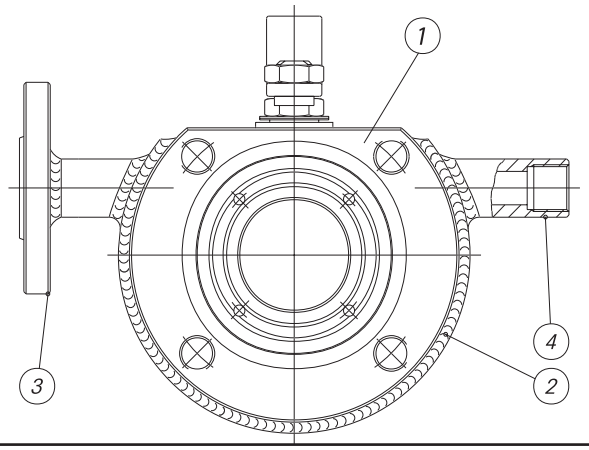
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EFFEBI U.S. - 30 Chapin Rd, Suite 1205 - PINE BROOK, NJ 07058
Tel. +1 973-287-7584 - E-mail: effebi.us@effebi.com
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ANSI

CONSTRUCTION

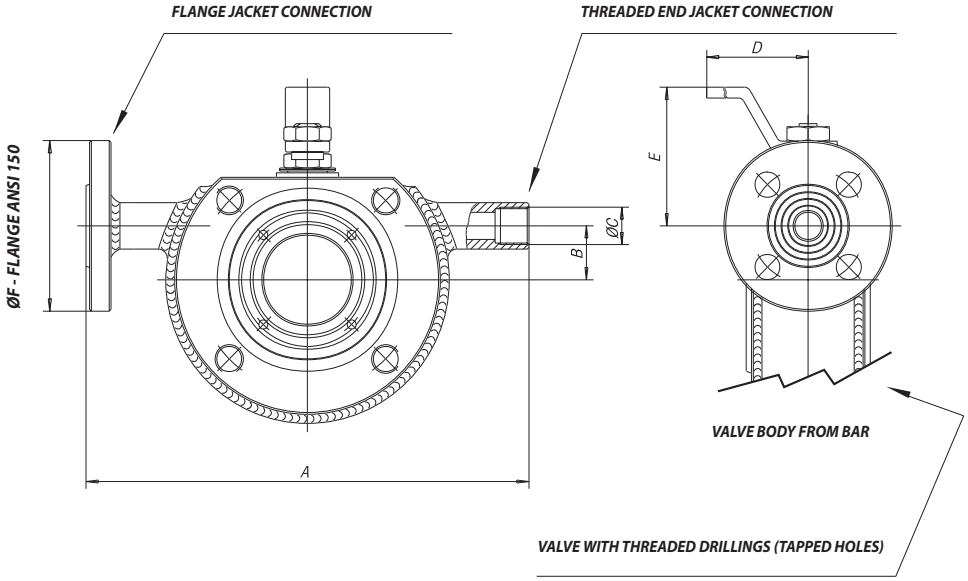


LIST OF COMPONENTS AND MATERIALS

REF	PART.	MATERIAL	MATERIAL	MATERIAL	QTY.
1	VALVE CONSTRUCTION	ASTM A105	AISI 304	AISI 316	1
2	JACKET	ASTM A105	AISI304	AISI304	1
3	FLANGES	ASTM A105	AISI304	AISI304	2
4	THREADED END CONNECTIONS	ASTM A105	AISI304	AISI304	2

Heating jacket only on valves from bar.

SECTION



SIZE Inch.	A	B	ØC	D	E	ØF	Cv
1/2"	6.68	0	1/2"	5.50	2.55	1/2"	23.1
3/4"	7.07	0	1/2"	5.50	2.75	1/2"	69.3
1"	7.46	0	1/2"	7.07	3.22	1/2"	115.6
1"1/4	8.25	0.98	1/2"	7.07	3.34	1/2"	150.2
1"1/2	9.03	1.18	1/2"	9.03	4.01	1/2"	196.5
2"	9.82	1.57	1/2"	9.03	4.32	1/2"	323.6
2"1/2	10.60	1.77	1/2"	13.08	5.40	1/2"	589.5
3"	11.78	1.96	1/2"	13.08	5.89	1/2"	890.1
4"	13.35	2.75	1"	14.53	6.48	1"	1387.2

PRESSURE/TEMPERATURE DIAGRAM

REFER TO TABLES OF INDIVIDUAL CONSTRUCTIONS

For Specifications about the Pressure-temperature Diagram and installation instructions.

BREAKAWAY TORQUES in Lbf/inch.

	size	1/2"	3/4"	1"	1" 1/4	1" 1/2	2"	2" 1/2	3"	4"
psi	0	35.4	61.9	88.5	141.6	221.2	309.7	486.7	663.7	1327.5
	232	42.4	75.	100	168.1	247.8	345.1	522.1	747.8	1486.8
	362	46	80.54	106.2	181.4	261.1	367.2	553.1	814.2	1593
	580	53.1	92.9	115.1	199.1	278.7	389.4	592.9	876.1	1725.7

The values in Lbf/inch. may vary depending on the seat material, temperature and type of fluid.
For reliable operation of various types of actuators, in different working conditions, is recommended a safety factor of 1.5 (for PTFE).