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INTERSTATE COUNCIL FOR STANDARDIZATION, METROLOGY AND CERTIFICATION
(ISC)

IEC 60730-2-17— 2015

2-17

,

(IEC 60730-2-17:2007, IDT)

2016

IEC 60730-2-17—2015

1.2—2009 «

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1 2017 .

5 IEC 60730-2-17:2007 Automatic electrical controls for household and similar use — Part 2-17: Particular requirements for electrically operated gas valves, including mechanical requirements (2-17.

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(IEC)

1 (IEC 60730-1—2013 —

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IEC 60730-1—2013.

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IEC 60730-1—2013,

2-17

Automatic electrical controls for household and similar use. Part 2-17.
Particular requirements for electrically operated gas valves, including mechanical requirements

— 2017—01—01

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1.1.1

IEC 60335-1.

J.

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- 1.1.2 /
- IEC 61056-1.
- DN 150.
- 400 (4).
- « »
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- 1.1.3
- IEC 60730-2-14,
- 1.1.4
- 1.1.5
- 1.3
- 1.5
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- IEC 60730-2-14:2001 Automatic electrical controls for household and similar use — Part 2: Particular requirements for electrically operated gas valves, including mechanical requirements (2.)
- ISO 7-1:1994 Pipe threads where pressure-tight joints are made on the threads — Part 1: Dimensions, tolerances and designation (1.)
- ISO 228-1:2000 Pipe threads where pressure-tight joints are not made on the threads — Part 1: Dimensions, tolerances and designation (1.)
- ISO 274:1975 Copper tubes of circular section; Dimensions ()
- ISO 301:2006 Zinc alloy ingots intended for casting ()
- ISO 4400:1994 Fluid power systems and components — Three-pin electrical plug connectors with earth contact — Characteristics and requirements ()
- ISO 6952:1994 Fluid power systems and components — Two-pin electrical plug connectors with earth contact — Characteristics and requirements ()
- ISO 7005-1:2011 Pipe flanges — Part 1: Steel flanges for industrial and general service piping systems (1.)
- ISO 7005-2:1988 Metallic flanges; part 2: cast iron flanges (2.)

* ISO 301:1981.

** ISO 7005-1:1992.

2

	1	
2.2.17		
2.2.17.101		(electrically operated gas
valve):		
2.2.17.102		(valve body):
2.2.17.103		(nominal size):
		DN
2.2.17.104		(end connection):
2.3		
2.3.101		(on-off valve):
2.3.102		(normally closed valve):
2.3.103		(normally open valve):
2.3.103.1		(semi-automatic
normally open valve with latch):		
2.3.103.2		(normally open valve, automatic):
2.3.104		(modulating valve):
2.3.104.1		(multy-stage valve):
2.3.105		(closure member):
2.3.106		(closed position):
2.3.107		(open position):
2.3.107.1		(fully open position):
2.3.106		(flow rate):
2.3.109		() (ratedflow rate (capacity)):
2.3.110		(inlet pressure):
2.3.111		(outlet pressure):
2.3.112		(pressure difference):

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2.3.113	(maximum working pressure):	-
2.3.114	(safety shut-off valve):	-
2.3.15		
2.3.16		
2.3.117	(gas leakage, external):	
2.3.118	(gas leakage, internal):	
2.3.119	(opening time):	
2.3.120	(closing time):	
2.3.121	(delay time):	
2.3.122	(proof of closure switch):	
2.3.123	(pilot operated prime mover):	
2.3.124	(switching devices):	
8		
2.3.125	(valve actuator):	
3		
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4.1.7		
4.3		
4.3.2.6		17
4.3.10	6.103,	18.101
5		
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6		
	1	
6.3		

6.3.12

- 6.3.12.101 - ;
- 6.3.12.102 - ;
- 6.3.12.103 - ;
- 6.3.13.103.1 - , ;
- 6.3.12.103.2 - , ;
- 6.3.12.104 - ;
- 6.3.12.105 - ;
- 6.3.12.106 - , ;
- 6.3.12.107 - , .

6.7

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6.11

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6.11.101

CEN/CENELEC,

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	$8 (60 \pm 5)^*$	(20 ± 5)
DNS25 < 1 < 150	100000	400000
DN5 25 £ 1 >150	50000	150000
DNS25 > 1	50000	150000
£DN 80	25000	75000
<DN 150	25000	25000

6.12

6.15

6.15.101

6.101

6.101.1

- ISO 7-1 NPT,
- ISO 228-1,

6.101.2

a)

b)

c)

d)

6.101.3

ISO 7-1. ISO 228-1. NPT.

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6.102
6.102.1

6.102.2

6.102.3

6.102.4

6.103

1/8	DN6
1/4	DN8
3/8	DN10
1/2	DN15
3/4	DN20
1	DN25
1 1/4	DN32
1 1/2	DN40
2	DN50
2 1/2	DN65
3	DN80
4	DN100
5	DN125
6	DN150

— 7005-1 7005-2.

6.104

— ISO 7005-1 ISO 7005-2.

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7.2

7) ⁷¹ {	6.2, 14,17	D
29	()	6.9	X

7.2

15	8*	6.5.1.6.5.2, 11.5, 11.102	
22	0 °C, 55', 103*	6.7, 14.5, 14.7, 17.3	D
23			
26	() * 01*	6.10	X
28			
31	5*	11.6	D
36			
37			
38			
39	1 2 () -	6.4	D
40	2 () 1	6.4.3	D
41	() , -	11.4.3, 15.17.14	X
42	() -	11.4.3,15, 16.2.4, 17.14	X
43			
44			
47			
48	()	15	D
101	,		
102	() /	2.3.113	
103	() ^{104*}	2.2.17.102	
104	1021	2.3.109,6.102.1, 11.111	D
105		2.3.101,2.3.104,2.3.110, 2.3.111,2.3.112, 2.3.114, 6.3.12, 11.106.1	D
106		1.1,6.15.101	D
107		6.102	D
108	,	11.3.4.103, 11.104.5	D
109	102* , -	11.109	X
110	102* , -	11.110	X
111		6.101,6.103,11.105,18.101	D
112	1021	2.3.117, 11.108.2,15,17	X

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7.2

113	102*	2.3.118,11.108.1, 15. 17	X
114	1021	18.101.1	X
115	1021	18.101.2	X
116	-	11.107	X
117	-	2.3.114, 11.106.1	
118	J, CEN,	6.104, 11.106.1	
<p>3) 4> 7.2; 6000. 4.1 4.2. 1031 104></p> <p>- CENELEC 7^ 60 * . - CENELEC</p>			

7.4.5

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10.101

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ISO 4400

ISO 6952.

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a) 3

b) 4

c) 4

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d) 2 3

e)

1,2,3.4

11

11.3.4 1 , .

11.3.4.101 17. -

a) ; -

b) ; -

c) , .

11.3.4.102 , -

11.3.4.103 , .

a) ; -

b) , .

(7.2, 108). ,

11.3.9 , -

11.3.9.101 , -

11.3.9.102 , , -

11.101 ,

11.102 , IP54, -

— 20 °C — 60 °C. CENELEC

11.103 , (12.) , IEC 60529 -

8 () , -

) (7.2, 31. -

11.104.11					70	3/
						30
70	3/					
11.104.12						
11.104.13						
11.104.14						
a)						
		DN6				
b)						
10	8			9	8,5	
				1		
11.104.15						
11.104.16				11.104.1—11.104.15		
11.105						
11.105.1						
	ISO 7-1	ISO 228-1.				
						ANSI/ASME B1.20.1.
		ANSI/SAE J512	J514.			
				DN 80	3	
11.105.2				DN 50,		
ISO 7005-2, PN 6	PN 16.					ISO 7005-1
	ISO 7005-1	ISO 7005-2				DN 50
						11.105.1.
						ANSI/ASME
16.1 ()		16.5 ().				
11.105.3						
ANSI/SAE.						
11.105.4						
ISO 228-1.						ISO 7-1

	11.108.			
11.114				48
	1,1 V _R ^{3/}	(99 %)		
	7,5			
	48			
11.115				
11.116				
			27.3.	
12	-			
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13.3				
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	1			
14.4.101				
		14.1.		
14.4.102	27.2.101.			
		14.1		
		27.2.101.		
14.5				14.5.1—14.5.4.
14.5.1				
14.5.2				
14.5.3				
14.5.4		14.1,		
14.6	«	»	«	».
14.7	«	»	«	».

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15

15.101 1 , .

15.1 15.1 11.108, 11.109, 11.110

11.111.

15.3 .

15.5.2 .

15.53 .

15.5.4 .

15.5.5 .

15.5.6 , ,

11.108 .

15.6.2 , ,

11.108 .

15.102 2

15 1 2.

16

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17

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17.1

17.1.1 17.16.

17.1.2 ,

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7.2, 42.

17.1.2.1 .

17.1.3.1 .

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17.16.101

17.16.101

11.108—11.111, — -

-17.1 , .

• 17.2,17.3,17.5 17.8 .

-17.6 17.9 .

• 17.7 .

7.2,

27.

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18.103

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11.108.2 ().

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19.1.7

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27.2—27.2.2

27.2.101

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27.2.101.

14.7.1.

14.4.101.

27.2.101.1

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15 °C 30 °C,

25 °C.

17.2.3.1 17.2.3.2.

27.2.101 —

7.2, 110)

		4. °C							
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		175	190	200	215	235	255	275	305
		150	165	175	190	210	230	250	280
IEC 60085.									

27.2.101.2

27.2.101.2

27.2.101.3

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12.2.

27.2

27.2.1 27.2.2.

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27.2.1

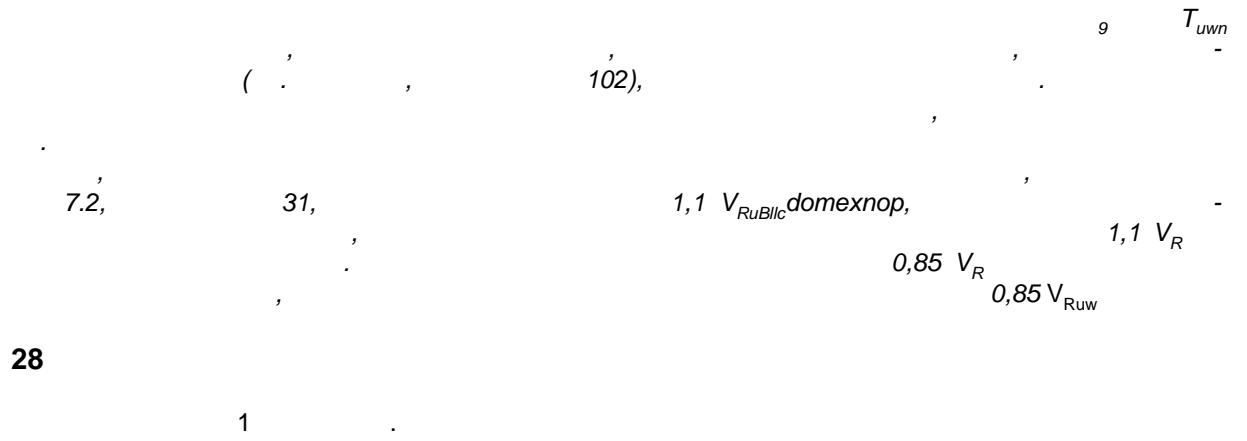
27.2.2

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 .17.1.4.2

7.2, 27, 7.2, 27, 17.16.101 ,
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.26.3 , .26.5, .26.13.
 .26.5 (7.2. 110) ,
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.26.6
 .26.8.3

.26.9 /

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.26.11
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 .26.15.4,)). -
 4 , .26.15.4, -
)). 11.108 17.5. -
 .26.12

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.26.13

.26.13.101 .26.8— .26.12:
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 .27.1.3 1 , 1) 2):
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IEC 60730-2-14:2001 2:	- IDT	IEC 60730-2-14-2012 2-14.	
ISO 7-1:1994 1.	- —		
ISO 228-1:2000 1.	- —	*	
ISO 274:1975	. —	•	
ISO 301:2006	—	V	
ISO 4400:1994		*	
ISO 6952:1994			
ISO 7005-1:2011 1. -	—	•	
ISO 7005-2:1988 2:	. —		
* - IDT —			

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