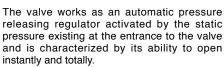
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Model 485



Design in accordance with "ASME code section VIII". Materials according ASME code section II and ASTM.

Connections according ASME B1.20.1 standard.

In accordance with the requirements of directive 97/23/EC.

EC valve verification certified by: TÜV Internacional Grupo TÜV Rheinland, S.L. EC 0035.

Type (Module D) EC examination report no 33530455 certified by: TÜV Internacional Grupo TÜV Rheinland, S.L.

In compliance with the ATEX 94/9/CE directive "Protective equipment and systems for use in potentially explosive atmospheres"

Other authorisations: ISCIR, ITI, NASTHOL, ...etc.



- 90° angular flow.
- Activated by direct action helicoid spring.
- Simplicity of construction ensuring minimum maintenance.
- Materials carefully selected for their resistance to corrosion. With the exception of washers and couplings, the valves are free of non-ferric materials.
- Internal body designed to offer favourable flow profile.
- Sealing surfaces treated and balanced, making them extremely tightness, even exceeding API-527 requeriments.
- Great discharge capacity. For liquids typically used with openings similar to proportional safety valves.
- Equipped with draining screws for removing condensation.
- Auto-centering plug.
- Threaded shaft with lever positioner facilitating immediate manual action.
- Elevator, independent of the seal, designed facilitate sudden opening when the steam expands and, with any fluid, guarantees absolute opening and closing precision.
- All the valves are supplied sealed at the set pressure requested, simulating operational conditions, and are vigorously tested.
- All components are numbered, registered and checked. If requested in advance, material, casting, test and efficiency certificates will be enclosed with the valve, and the instruction manual, in accordance with P.E.D.97/23 EC.

IMPORTANT

Depending on demand:

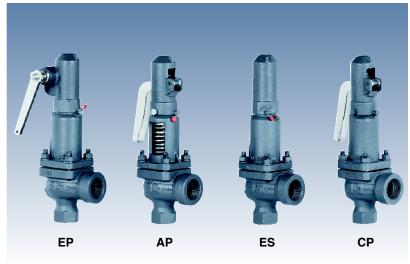
- 1. Blocking screw which facilitates hydrostatic testing of the container which to be protected.
- 2.- Rapid limiter to reduce the coefficient of discharge.
- 3.- Fluorelastomer (Viton) seals, Silicone's rubber, PTFE (Teflon)... etc., achieving leakage levels $0.3 \times 10^{-3} \frac{Pa \text{ cm}^3}{\text{seg.}}$ less than

The ranges of application allow certain flexibility although we recommend limiting them to:

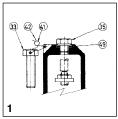
	В	RANGE OF	APPLICAT	TION FOR	THE SEAL	.S				
E1 1110		SET PRESSURE IN bar								
FLUID	0,2	0,2 1,8 4,0 4,8 7,0			7,0	30,0 40,				
Saturated steam		S	V			Т				
Liquids and gases		S		V		Т				
	TEMPERATURE IN °C									
SEALS		ACCORDING TO MANUFACTURERS				RECOMMENDED BY VYC				
	M	INIM	MAXIM		MINIM		MAXIM			
Silicone's rubber	S	-60		+200		-50		+115		
Fluorelastomer (Viton)	V	-40		+250		-30		+150		
PTFE (Teflon)	Т	-265		+260		-80		+230 (1)		

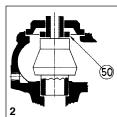
(1) For temperatures exceeding 230°C apply metallic seal only.

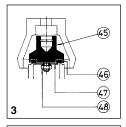
- 4.- Flourelastomer (Viton) membrane and O-ring isolating the rotating or sliding parts from the working fluid.
- 5.- Electrical contact indicating open/closed.
- 6.- Balance bellows to:
 - Protect the spring from atmospheric influences.
 - Ensure outside of valve body is totally tightness.
 - Level out external or self-generated back pressure.
- 7.- Possibility of manufacture in other types of material, for special operating conditions (high temperatures, fluids, etc.).
- 8.- Totally free of oil and grease, to work with oxygen, avoiding possible fire risks (UV- Oxygen-VBG 62).

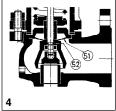


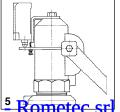


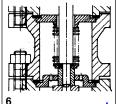














MATERIAL Romero srbe srbe www.rometec.it. Rometec srl - www.rometec.it. Rometec srl - www.rometec.it

TIGINGE	DI THECKA AA AA	V.10111ELEC.1CAS ILSTRELIELEC S11 - W							AN ANTOTTRIMITES IS LETTOTTICECO					
1 2 2 3 4, 5, 6 7 8 9, 10 11 12 13 14 15 16 17 18 19 20, 21 22 23 24 25 26 27 28, 29, 48 30, 31 32 33, 34, 35 36 39 40 41 42 43 45 46 47 49 50 51	Body Closed bell Open bell Hood Elevator Cam Lever Seating Plug Lead Spring press Separator Rod Lever shaft Gudgeon Ring Safety ring Spring Gland Hollow screw Hollow screw nut Buffer nut Washer Stud Screw Cap Coupling Coupling Coupling Seali Seal Seal Seal Sealing wire Characteristic plate Plug Sealing disk Washer Coupling Sealing disk Washer Coupling Sealing disk	<i>7.</i> 1011	nete	AST ASTM ASTM ASTM A ASTM A AST AST SIII	M A216 - V A536 65 - A536 65 - A A536 65 - S A54 65 - A A55 65 - A	NCB 45-12 WCB 45-12 WCB 5-12 (1) 66 (3) 36	ec si	1 - V	ASTM A 351 - CF8M AISI 304 ASTM A 570 - 36 AISI 303 AISI 630 AISI 630 AISI 630 AISI 630 AISI 316 AISI 316 AISI 317 AISI 317 AISI 318 AISI 318 AISI 318 AISI 318 AISI 303 AISI 303 AISI 301 AISI 303 AISI 304 AISI 316 PTFE (Teflon) PTFE (Teflon) PTFE (Teflon) PITFE (Teflon)					
52	O-ring				uorelastom				Fluorelastomer (Viton) Fluorelastomer (Viton)					
FNP	Γ ₁ x FNPT ₂	3/4" x 1 1/4"							a 1" x 1 1/2"					
	Class	300 lbs 300 lbs												
	PRESSURE IN bar	46,00	43,80	41,90	39,80	37,60	34,70	28,27	40,72	35,70	31,60	28,80		
OPERATING	IVI/1/1. I LIVII . IIV O	120	200	250	300	350	400	426,67	120	200	300	450		
CONDITION	S MIN. TEMP. IN °C				-29				-29					

^{(1) 3/4&}quot; FNPTx 1 1/4" FNPT in stainless steel (ASTM A351 CF8M) (2) Maximum temperature EP, ES and CP 250°C / AP 400°C

ENPT. X ENPT. 3/4" x 1 1/4" 1" x 1 1/2"

(3) 3/4" FNPT x 1 1/4" FNPT in Stainless steel (AISI 304)

FNPI ₁ X FNPI ₂			,	3/4"	K I I/	4"		I" X I 1/2"				
CONNECTIONS			Female thread NPT ASME B1.20.1									
API Orifice Letter				[D-E			F				
			16			20						
	Ao		2	201			314					
	Н		3	320			370					
	h ¹		1	112			129					
L ₁					80			85				
L ₂					65			80				
			1	/4"			1/4"					
	R			Whitworth cylindrical female thread ISO 228/1 de 1978 (DIN-259)								
	MODELO			AP	ES	CP	EP	AP	ES	CP		
WEIGHT IN Kgs.	CAST STE STAINLES	5,65	5,01	5,22	5,42	7,50	6,70	6,97	7,17			
CODE	CAST STEEL 2002-485.	300 lbs	8344D	83441D	83442D	83443D	8104F	81041F	81042F	81043F		
00	STAINLESS STEEL 2002-485.	300 lbs	8342D	83421D	83422D	83423D	8102F	81021F	81022F	81023F		

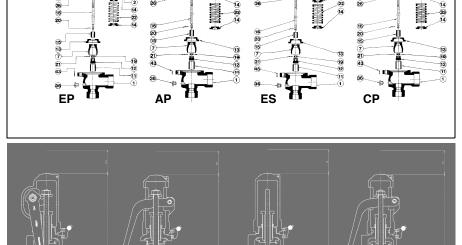
ΕP ΑP **ES** CP

Recommended ranges of application. Open and closed pressures in % of set pressure.

Set pressures and regulating ranges. Coefficient of discharge. Discharge capacity.

See brochure Model 486 in International System Units (SI).

Model 485 FNPT3/4"x1 1/4" = Model 486 NPS - 3/4"x1 1/4"do = 16 Model 485 FNPT 1" x 1 1/2"= Model 486 NPS - 1"x1 1/2"do = 20



Informative brochure, without obligation and subject to our General Sales Conditions.

ES

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AP



Ron



EΡ