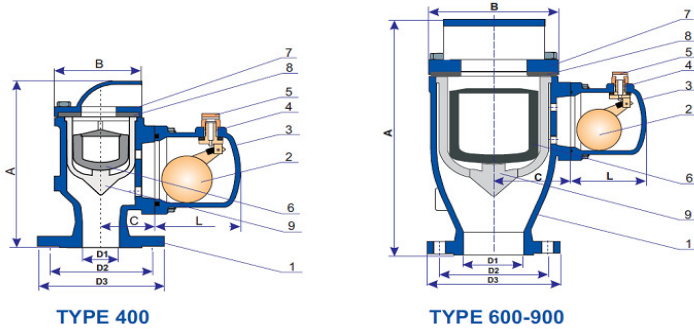


BIMEX
 5 Am Duerf
 L - 9637 Bockholtz
 Grand Duchy of Luxemburg

Tel.: +352 899 477
 Fax.: +352 899 478
 email : bimexlux@pt.lu

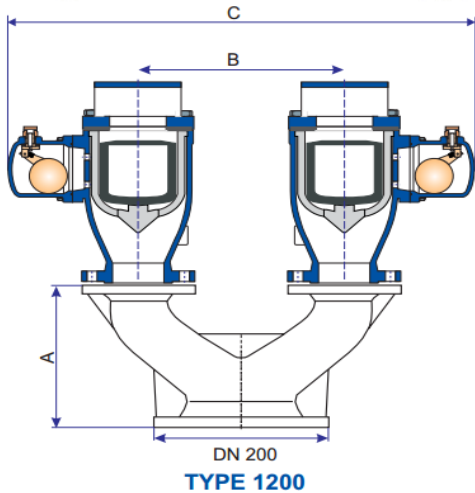
08.304

**AIR RELIEF VALVE KINETIC TYPE DOUBLE ACTION
 TRIPLE FUNCTION FOR POTABLE WATER
 VENTOUSE TRIPLE FONCTION POUR EAU POTABLE**



TYPE 400

TYPE 600-900



TYPE 1200

DIMENSIONS : DN 200 / 2 x DN 100

Working pressure Pression de service PN 10/16/25/40 NP
 Testing pressure Pression d'essai PN 15/24/37,5/60 NP

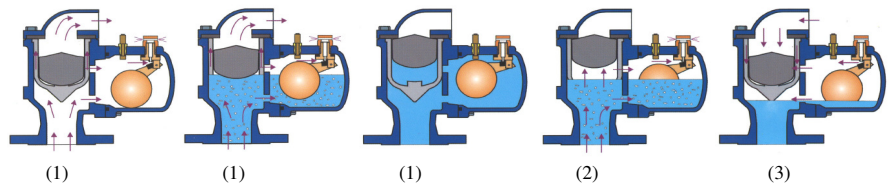
According to EN 1074-4
 Suivant

Minimum pressure 0,1 bar type 400/600/900
 Pression minimal 0,5 bar type 1200

Flange/Bride EN 1092-2

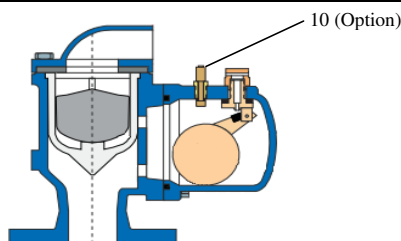
Functions :
 1) Evacuate air pockets during the filling of the water pipe;
 2) Permanent degasing;
 3) Inflow of air into water pipe being emptied to prevent vacuum conditions.

Fonctions :
 1) Evacuation de l' air lors du remplissage de la canalisation;
 2) Dégazage permanent;
 3) Admission automatique de l' air pour éviter une mise en dépression de la canalisation.

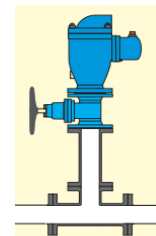


N°	DESCRIPTION	MATERIAL
1	BODY	DUCTILE CAST IRON GGG 40 (EN-GJS-400)
2	FLOAT	ABS
3	BODY FLOAT	DUCTILE CAST IRON GGG 40 (EN-GJS-400)
4	SMALL ORIFICE	ABS or BRASS
5	SMALL ORIFICE COVER	ABS or BRASS
6	FLOAT	ABS
7	AIR VALVE COVER	DUCTILE CAST IRON GGG 40 (EN-GJS-400)
8	GASKET	EPDM
9	FLOAT GUIDE	ABS
10	OPERATION CONTROL (option)	BRASS
	COATING	POWDER EPOXY 250µ

DESCRIPTION	MATERIAU	NORMS / NORMES
CORPS	FONTE DUCTILE GS 400 (EN-GJS-400)	EN 1563
FLOTTEUR	ABS	
CHAMBRE FLOTTEUR	FONTE DUCTILE GS 400 (EN-GJS-400)	EN 1563
PETIT ORIFICE	ABS ou LAITON	
COUVERCLE PETIT ORIFICE	ABS ou LAITON	
FLOTTEUR	ABS	
COUVERCLE VENTOUSE	FONTE DUCTILE GS 400 (EN-GJS-400)	EN 1563
JOINT	EPDM	
GUIDE FLOTTEUR	ABS	
CONTRÔLE DE FONCTIONNEMENT (option)	LAITON	
REVETEMENT	EPOXY POUDRE 250µ	DIN 30677

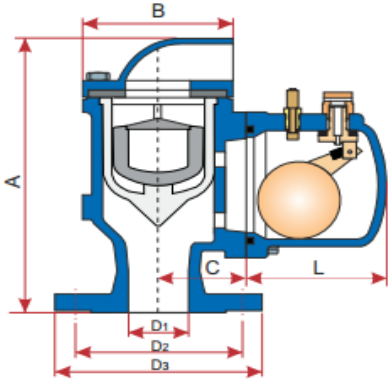


Assembly / Montage :



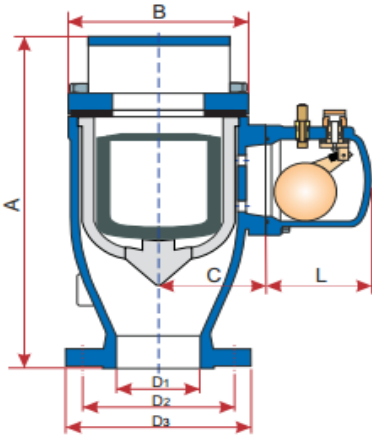
T
Y
P
E

4
0
0



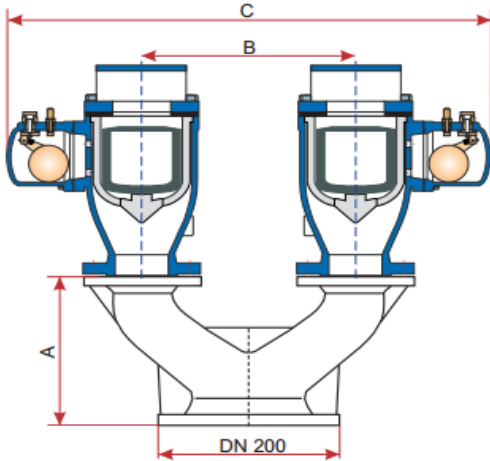
T
Y
P
E

6
0
0
/
9
0
0



T
Y
P
E

1
2
0
0



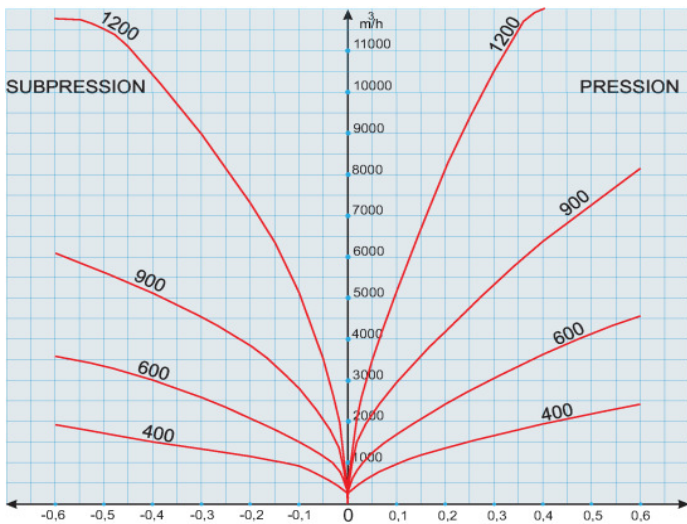
TYPE	DN mm	A	B	C	L	D1	D2	D3	kg
PN 10 / 16(*)									
400	40	260	140	84	110	40	110	150	13,5
	50	260	140	84	110	50	125	165	14,0
	60	260	140	84	110	65	135	185	15,0
	60-65	260	140	84	110	65	145	185	15,0
	80	260	140	84	110	80	160	200	16,0
600	100	260	140	84	110	100	180	220	17,0
	80	340	195	112	110	80	160	200	29,0
900	100	340	195	112	110	100	180	220	32,0
	125	390	215	122	110	125	210	250	34,0
	150	390	215	122	110	150	240	285	36,0
	200	390	215	122	110	200	295	340	38,0
	250	390	215	122	110	250	350 (355)	395 (405)	51,0
	300	396	215	122	110	300	400 (410)	445 (460)	55,0
1200	200	300	400	900	110	100	180	220	108,0

TYPE	DN mm	A	B	C	L	D1	D2	D3	kg
PN 25									
400	40	260	140	84	110	40	110	150	13,5
	50	260	140	84	110	50	125	165	14,0
	60	260	140	84	110	65	135	185	15,0
	65	260	140	84	110	65	145	185	15,0
	80	260	140	84	110	80	160	200	16,0
600	100	260	140	84	110	100	190	235	17,0
	80	340	195	112	110	80	160	200	28
900	100	340	195	112	110	100	190	235	31,0
	125	390	215	122	110	125	220	270	36,0
	150	390	215	122	110	150	250	300	36,0
	200	390	215	122	110	200	310	360	38,0
	250	390	215	122	110	250	370	425	52,0
300	396	215	122	110	300	430	485	59,0	

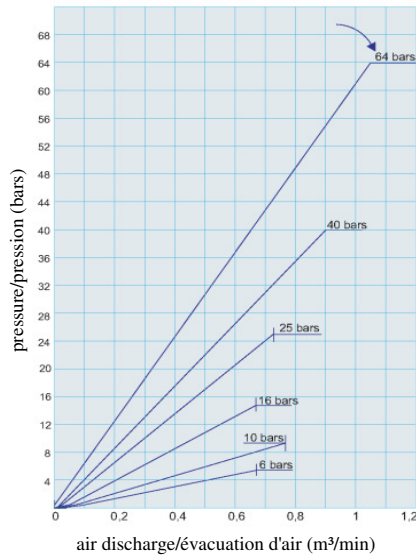
TYPE	DN mm	A	B	C	L	D1	D2	D3	kg
PN 40									
400	40	260	140	84	110	40	110	150	13,5
	50	260	140	84	110	50	125	165	14,0
	60	260	140	84	110	65	135	185	15,0
	65	260	140	84	110	65	145	185	15,0
	80	260	140	84	110	80	160	200	16,0
600	100	260	140	84	110	100	190	235	17,0
	80	340	195	112	110	80	160	200	28
900	100	340	195	112	110	100	190	235	31,0
	125	390	215	122	110	125	220	270	36,0
	150	390	215	122	110	150	250	300	36,0
	200	390	215	122	110	200	320	375	46,0
	250	390	215	122	110	250	385	450	65,0
300	396	215	122	110	300	450	515	75,0	

**AIR FLOW CAPACITY FOR AIR RELIEF VALVES TYPE 400/600/900/1200 :
CAPACITE DE DEBIT D' AIR DES VENTOUSES TYPE 400/600/900/1200 :**

LARGE ORIFICE - GRAND ORIFICE



SMALL ORIFICE - PETIT ORIFICE



Performances :

The capacity to flow at the entrance and at the exit is given by the formula $Q = C (\Delta P.P)^{1/3}$.

La capacité de débit à l'entrée comme à la sortie est donnée par la formule $Q = C (\Delta P.P)^{1/3}$.

Q = Air flow in normal conditions, in m³/h.

Q = Débit d'air ramené aux conditions normales, en m³/h.

C = Flow coefficient.

C = Coefficient de débit.

ΔP = Head loss in air valve in bars.

ΔP = Perte de charge dans la ventouse en bars.

P1 = Absolute pressure at the inlet of the air valve in bars.

P1 = Pression absolue à l'entrée de la ventouse en bars.