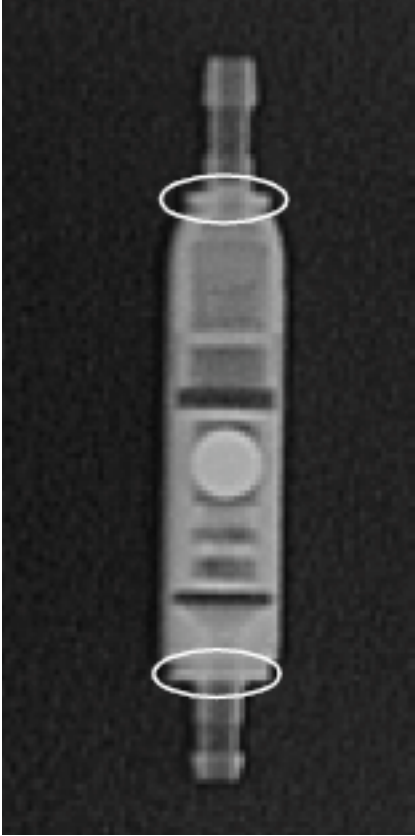


Aesculap shunt valves
<http://www.aesculapusa.com>


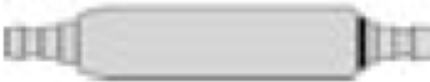



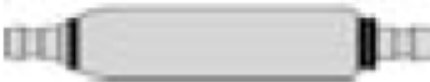
Aesculap GAV - Gravity Assisted Valve

Circles denote coding regions which can be interpreted using GAV setting code

Image depicts a valve with setting of 10/40 cm H₂O (horizontal/vertical)



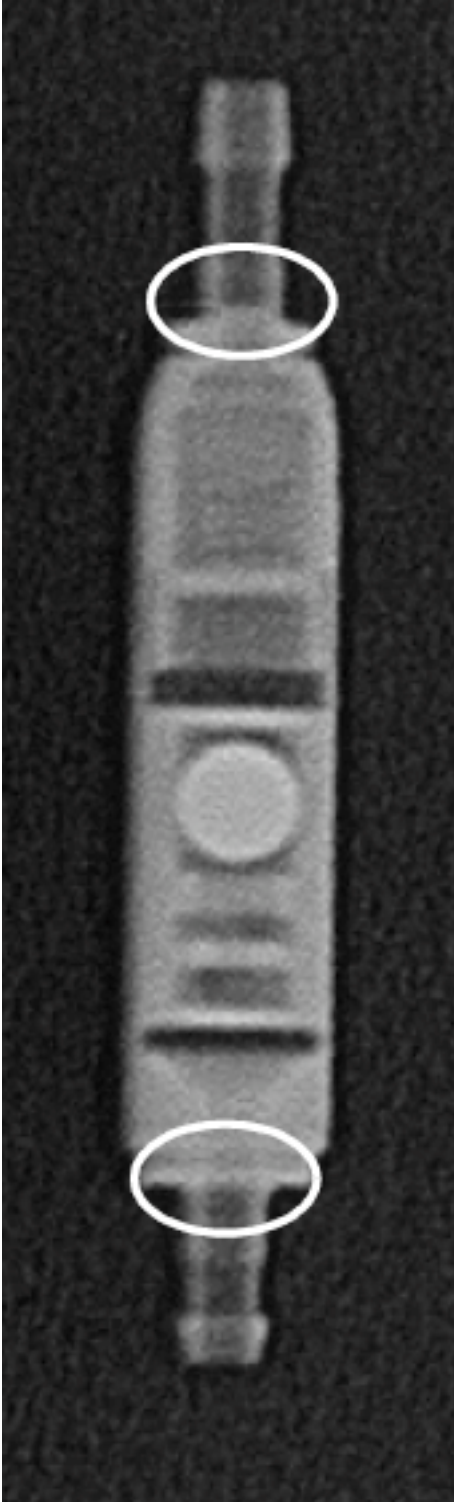
Aesculap GAV setting code

Opening pressure (cmH ₂ O)		Coding
horiz.	vert.	
5	30	
5	35	
5	40	
10	30	
10	40	
10	50	

Aesculap PAEDI-GAV without catheter

Circles denote coding regions which can be interpreted using PAEDI-GAV setting code

Image depicts a valve with setting of 9/24 cmH₂O (horizontal/vertical)









Aesculap PAEDI-GAV with catheter

Circles denote coding regions which can be interpreted using PAEDI-GAV setting code

Image depicts a valve with setting of 4/24 cmH₂O (horizontal/vertical)



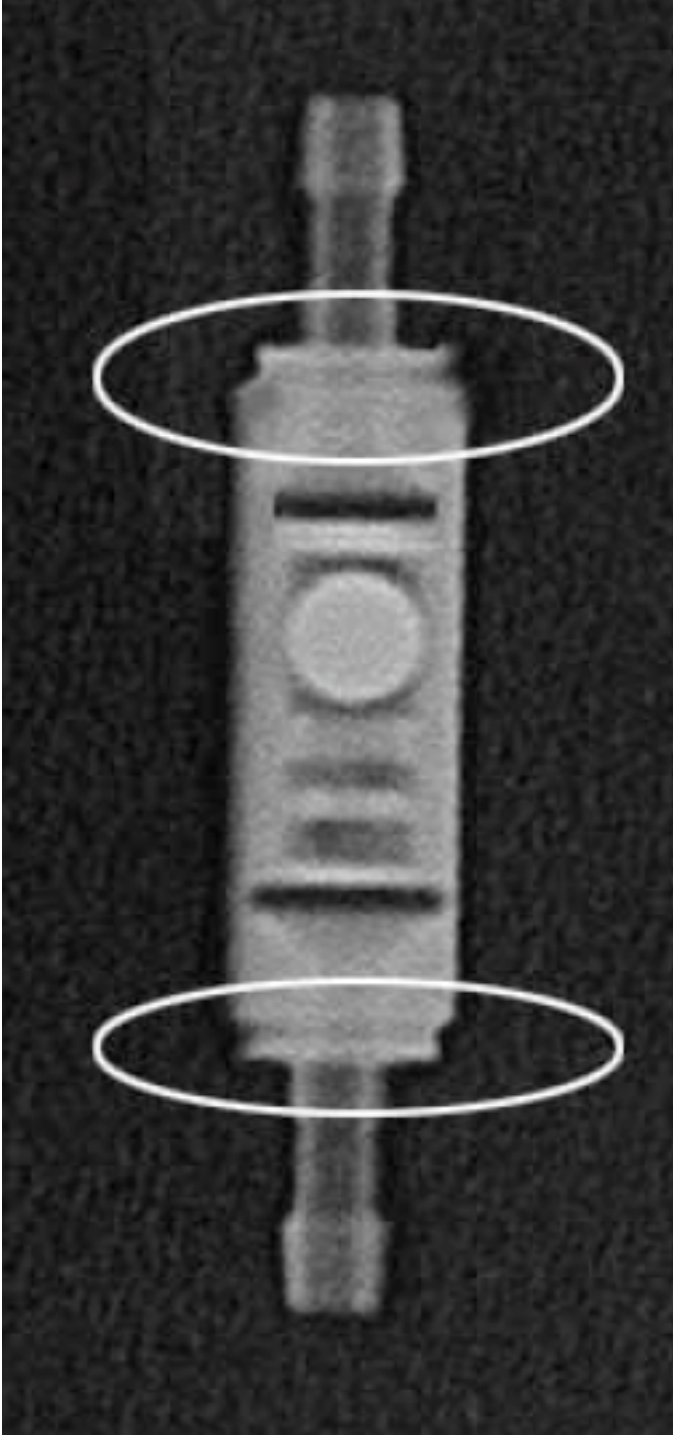
Aesculap PAEDI-GAV setting code

Opening pressure (cmH ₂ O)		Coding with and without a catheter
horizontal	vertical	
4	14	
4	19	
4	24	
9	19	
9	24	
9	29	




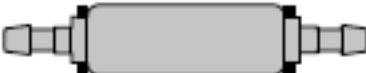
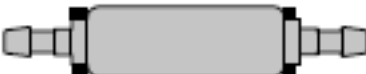

Aesculap ShuntAssistant (anti-siphon device)

Circles denote coding regions which can be interpreted using ShuntAssistant setting code

Image depicts device with setting of 25 cmH₂O



Aesculap ShuntAssistant setting code

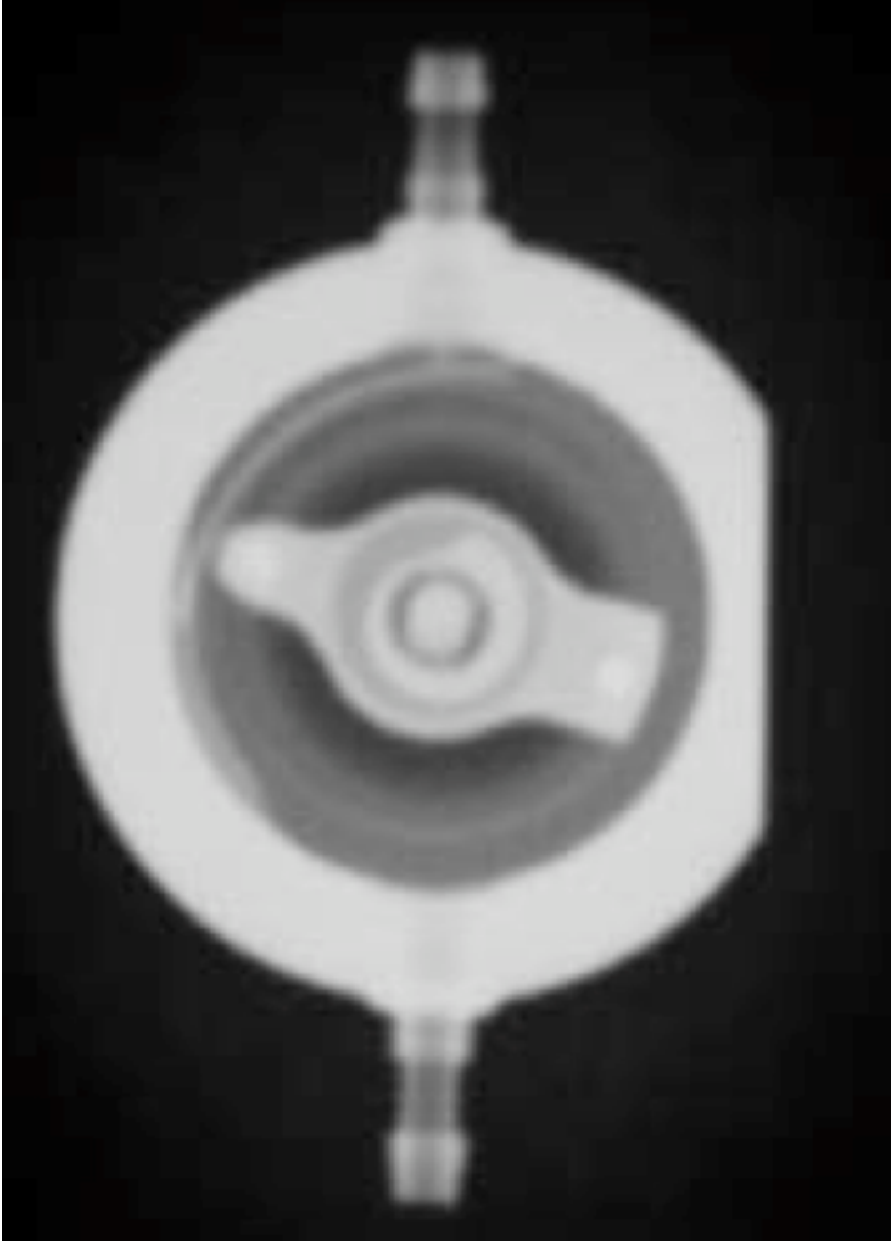
Pressure rating (cmH ₂ O)	Ring code
10 PAEDI- SHUNTASSISTANT	
15 SHUNTASSISTANT	
20 SHUNTASSISTANT	
25 SHUNTASSISTANT	
30 SHUNTASSISTANT	
35 SHUNTASSISTANT	

Aesculap ProGAV Programmable Valve

Consists of adjustable unit (programmable) and gravitational unit (fixed pressure)

ProGAV Adjustable Unit

Image depicts valve with setting of 0 cmH₂O



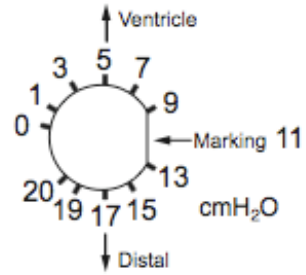
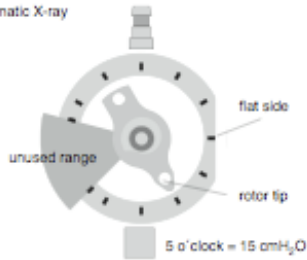
ProGAV Adjustable Unit Setting Code

Aesculap Neurosurgery

proGAV Programmable valve with gravitational technology



schematic X-ray

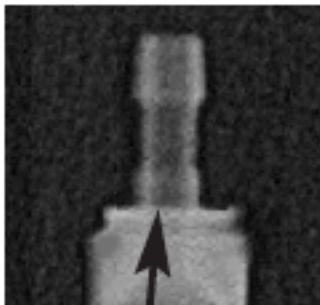


Proceeding:
 1. Put template over the radiograph
 2. Rotor tip shows the opening pressure
 Note orientation of flat side!

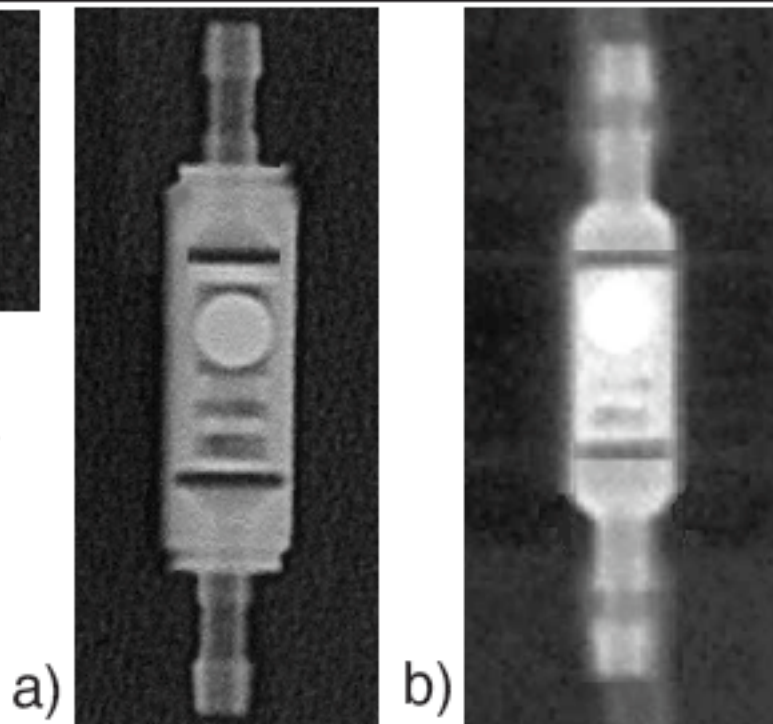
cmH ₂ O	2	4	6	8	10	12	14	18	20	25	30	35	40	50
mmHg	1.5	3.6	4.4	5.9	7.4	8.8	10.4	13.2	14.7	17.8	22.0	25.7	29.4	36.8

ProGAV Gravitational Unit With Setting Code

Opening pressure for vertical posture	Coding of gravitational unit
10 cmH ₂ O	small, no ring
15 cmH ₂ O	large, no ring
20 cmH ₂ O	large, 1 ring
25 cmH ₂ O	large, 2 rings
30 cmH ₂ O	large, 3 rings
35 cmH ₂ O	large, 4 rings



Coding ring



*a) large, 2 rings = 25 cmH₂O,
b) small = 10 cmH₂O*