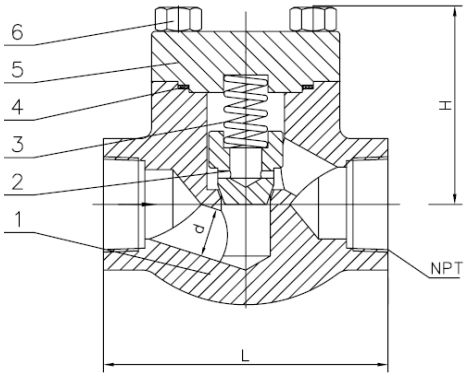
Art2234S
Forged Carbon Steel Piston Check Valve (Socket Weld)

Features
1. Check valve Class 800 Piston Type.
2. Design according to EN ISO 15761 (API 602).
3. Made of Forged Steel ASTM A105N.
4. Seat in the body hardened with Stellite.
5. Piston made of Stainless Steel.
6. Trim # 8 (equivalent to XU).
7. Socket Weld ends according to ANSI B 16.11.
8. Bolted Cover.
9. Max. Working pressure 140 bar.
10. Working temperature: -29ºC to 420ºC.



Nº	Name	Material	Surface Treatment
1	Body	ASTM A105N + STL	Phosphatized
2	Piston	ASTM A182 F6a	Tempering
3	Spring	Stainless Steel 304	
4	Body Gasket	Stainless Steel 304 + Graphite	
5	Bonnet	ASTM A105N	Phosphatized
6	Bonnet Bolt	ASTM A193 Gr. B7	

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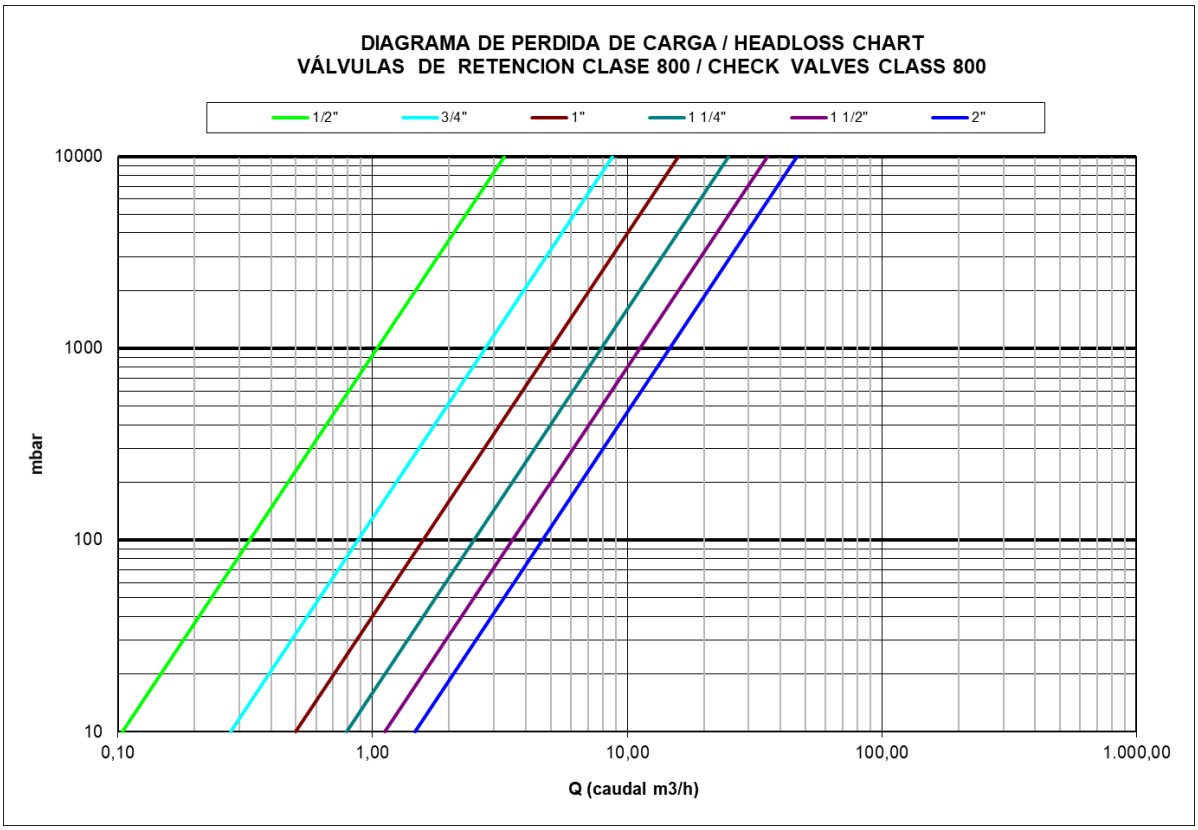
General Dimensions

Ref	Size	Dimensions (mm)				Weight (Kg)
		d	S.W.	L	H	
2234S 04	1/2"	9	21.8	79	61	1,605
2234S 05	3/4"	13	27.1	90	65	1,775
2234S 06	1”	17.5	33.8	100	78	3,000
2234S 07	1 1/4"	23	42.6	120	84	4,260
2234S 08	1 1/2"	29	48.7	150	104	6,380
2234S 09	2”	36	61.1	168	115	9,750

Head Loss Diagram

Water @ 20°C - Horizontal Flow



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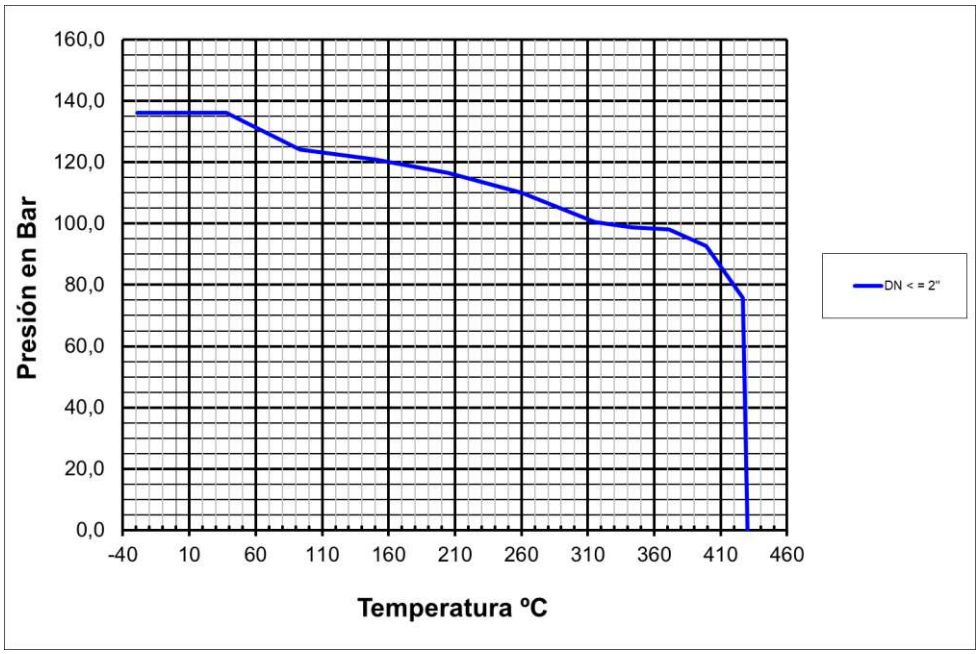
Kv Values

Kv: Water flow rate in cubic meter per hour that will generate a 1 bar pressure drop across the valve.

Size	1/2"	3/4"	1"	1 ¼"	1 ½"	2"
m^3/h	1.04	2.77	5	7.9	11.2	14.7

Pressure/Temperature Rating



Opening Pressures (mbar)

Flow	1/2"	3/4"	1"	1 ¼"	1 ½"	2"
↑ → ↓	37	37	40	45	55	75

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