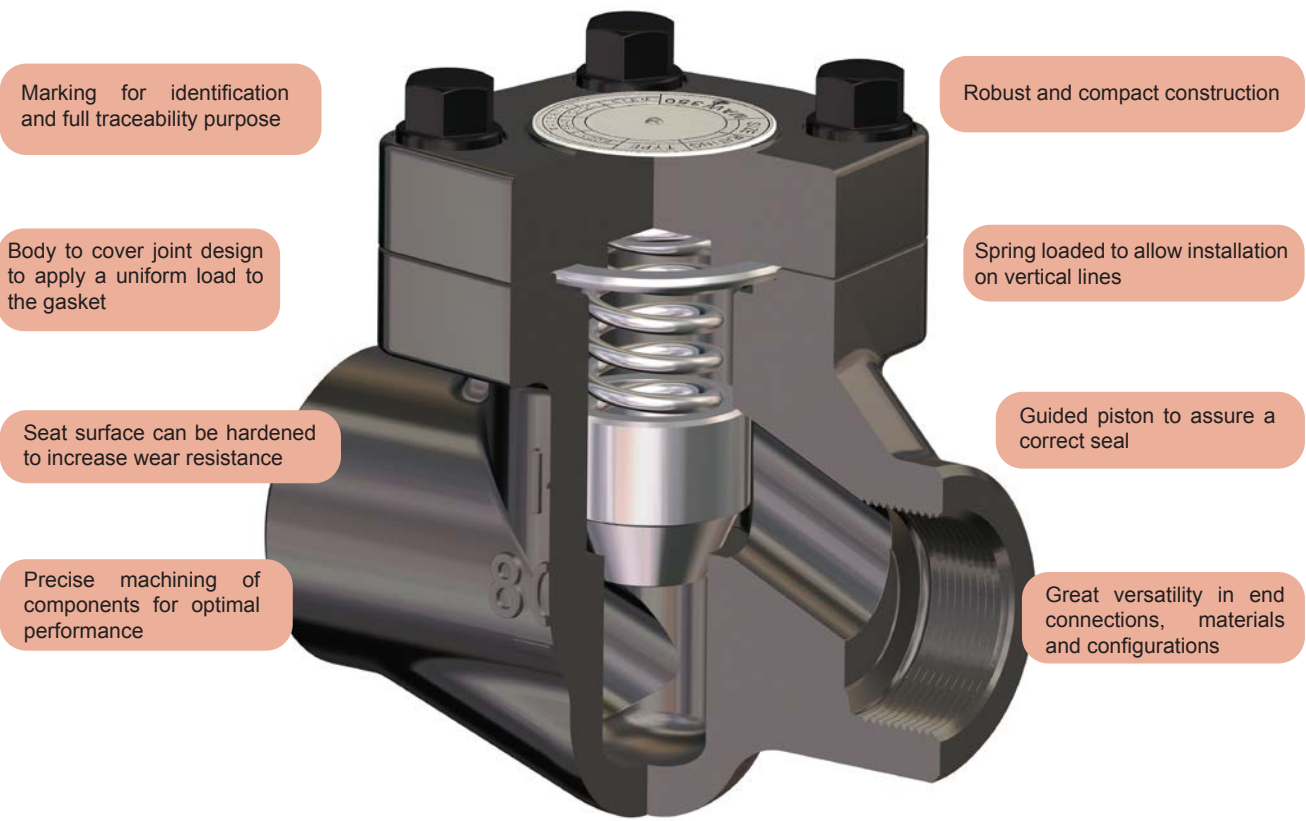


SERIES 35/34 ANSI RANGE

Check Valves are self-acting valves used for preventing the reverse of flow in a piping system. Forged Piston Check Valves Series 35 are featured by its rugged and compact design and easy maintenance. They are provided with a guided piston which is loaded by a spring and the disc closes against a horizontal valve seat. Compared with other check valves, they permit a faster closure reaction and more tightness, with higher pressure drop.



Marking for identification and full traceability purpose

Robust and compact construction

Body to cover joint design to apply a uniform load to the gasket

Spring loaded to allow installation on vertical lines

Seat surface can be hardened to increase wear resistance

Guided piston to assure a correct seal

Precise machining of components for optimal performance

Great versatility in end connections, materials and configurations

Main Features / Reference Standards

Design: API 602
 Pressure Rating: 800/1500/2500#
 Face to face length: Manufacturer standard
 Valve end connections: Threaded NPT to ASME B1.20.1 / BSP to ISO 228-1 / BSPT to ISO 7-1
 Welded SW to ASME B16.11
 Marking: MSS SP-25
 Inspections & Tests: API 598
 Zinc phosphated surface protection for forged steel valves
 Product compliant with Directive 2014/68/EU on Pressure Equipment (PED) for European Union territory

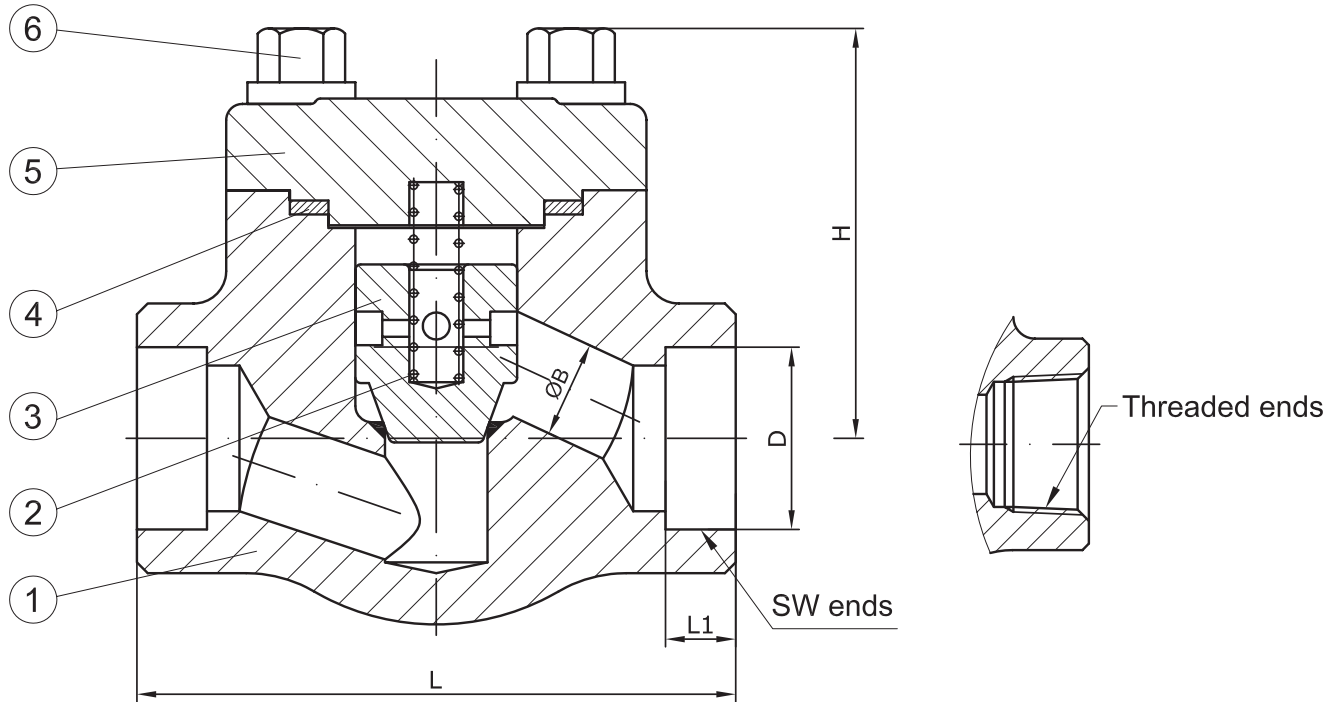
Main Duties / Limits of use

Fluids compatible with materials of construction. Questions referring to chemical resistance, please consult us
 Pressure / Temperature Rating to ASME B16.34. See section "Engineering & Performance Data"
 For products compliant with Directive 2014/68/EU, observe also limits acc. to Annex II tables 6 & 8 (gases & liquids group 1*) and tables 7 & 9 (gases & liquids group 2*) up to category III
 *Classification of fluids (group 1 or 2) acc. to Directive 2014/68/EU, Article 13

Options

Diverse body materials and trim combinations, different valve connections, pressure seal, welded bonnet... Please consult us

Main Parts and Materials



N°	PART	MATERIAL								
		A105N			A350 LF2		A182 F11/F22	A182 F304/F304L	A182 F316/F316L	A182 F51/F53
		Trim 1 (35A01)	Trim 5 (35A05)	Trim 8 (35A08)	Trim 2 (35A12)	Trim 10 (35A1D)	Trim 5 (35B75/35B65)	(35I10/35I90)	(35I30/35J10)	(35K30/35K40)
1	Body	A105N+13Cr	A105N+HF	A105N+HF	A350 LF2+SS304	A350 LF2+SS316	A182 F11/F22+HF	A182 F304(L)	A182 F316(L)	A182 F51/F53
2	Spring	17-7PH			SS304		SS304	SS304	SS316	Inconel X-750
3	Disc	A182 F6a	A182 F6a+HF	A182 F6a	A182 F304	A182 F316	A182 F6a+HF	A182 F304(L)	A182 F316(L)	A182 F51/F53
4	Cover Gasket	SS304+Graphite			SS304+Graphite	SS316+Graphite	SS304+Graphite	SS304+Graphite	SS316+Graphite	SS316+Graphite
5	Cover	ASTM A105N			A350 LF2		A182 F11/F22	A182 F304(L)	A182 F316(L)	A182 F51/F53
6	Cover Bolt	A193 B7			A320 L7		A193 B16	A193 B8(M)	A193 B8M	A193 B8M

HF = Hard faced

Main Valve Parameters

Class 800

Nominal Size		inch	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	
DN			10	15	20	25	32	40	50	
End connection	Threaded	NPT/ BSP/BSPT	L	79	79	92	111	120	152	172
			ØB	8	10,5	13,5	18	23	29	36,5
End connection	Socket weld	SW	L	79	79	92	111	120	152	172
			L1	9,6	9,6	12,7	12,7	12,7	12,7	16
			ØB	8	10,5	13,5	18	23	29	36,5
			ØD	17,6	21,8	27,1	33,8	42,6	48,7	61,2
H			61	61	61	78	84	84	118	
Kvs-value			-	1,7	3,1	4,9	7,5	12,2	18	
Approx. Weight Threaded/SW			1,2	1,5	1,7	3,5	4	4	10,5	

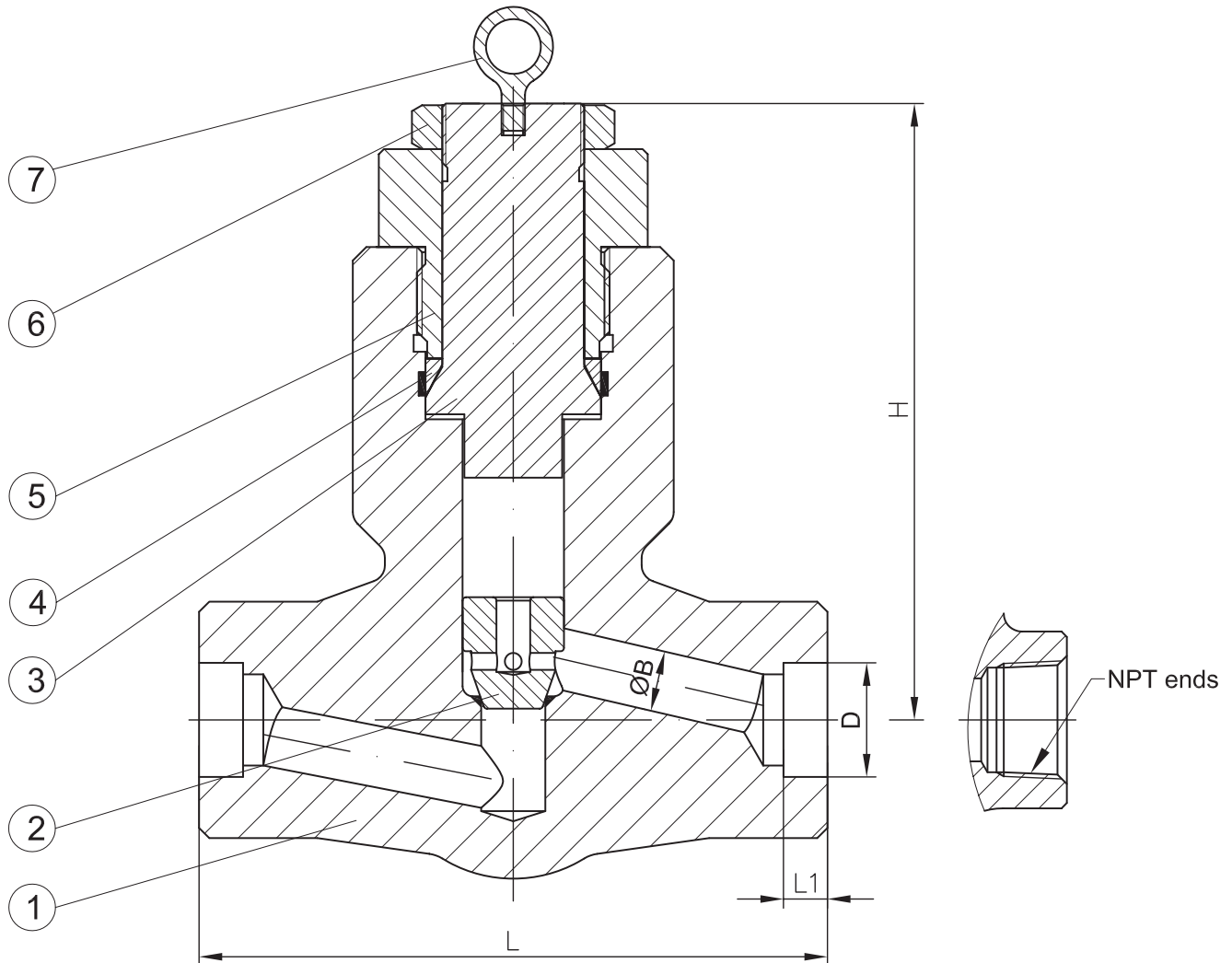
Dimensions in mm subject to manufacturing tolerance / Kvs-values in m³/h / Weights in kg

Class 1500

Nominal Size		inch	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	
DN			10	15	20	25	32	40	50	
End connection	Threaded	NPT/ BSP/BSPT	L	92	111	111	120	152	172	220
			ØB	8	10,5	13,5	18	23	29	36,5
End connection	Socket weld	SW	L	92	111	111	120	152	172	220
			L1	9,6	9,6	12,7	12,7	12,7	12,7	16
			ØB	8	10,5	13,5	18	23	29	36,5
			ØD	17,6	21,8	27,1	33,8	42,6	48,7	61,2
H			61	78	78	84	103	118	132	
Kvs-value			-	1,7	3,1	4,9	7,5	12,2	18	
Approx. Weight Threaded/SW			1,5	3	3,5	4	6	10,5	12,5	

Dimensions in mm subject to manufacturing tolerance / Kvs-values in m³/h / Weights in kg

Main Parts and Materials



N°	PART	MATERIAL								
		A105N			A350 LF2		A182 F11/F22	A182 F304/F304L	A182 F316/F316L	A182 F51/F53
		Trim 1 (34A01)	Trim 5 (34A05)	Trim 8 (34A08)	Trim 2 (34A12)	Trim 10 (34A1D)	Trim 5 (34B75/34B65)	(34I10/34I90)	(34I30/34J10)	(34K30/34K40)
1	Body	A105N+13Cr	A105N+HF	A105N+HF	A350 LF2+SS304	A350 LF2+SS316	A182 F11/F22+HF	A182 F304(L)	A182 F316(L)	A182 F51/F53
2	Disc	A182 F6a	A182 F6a+HF	A182 F6a	A182 F304	A182 F316	A182 F6a+HF	A182 F304(L)	A182 F316(L)	A182 F51/F53
3	Seal Nut	A276 420		A276 304	A276 316	A276 420	A276 304(L)	A276 316(L)	A182 F51/F53	
4	Gasket	A276 304		A276 304		A276 304	A276 304(L)	A276 316(L)	A182 F51/F53	
5	Cover	ASTM A105N			A350 LF2		A182 F11/F22	A182 F304(L)	A182 F316(L)	A182 F51/F53
6	Lock Nut	Carbon Steel			Carbon Steel		Carbon Steel	St. Steel	St. Steel	St. Steel
7	Lift Ring	Carbon Steel			Carbon Steel		Carbon Steel	Carbon Steel	Carbon Steel	Carbon Steel

HF = Hard faced

Main Valve Parameters
Class 2500

Nominal Size		inch	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	
DN			10	15	20	25	32	40	50	
End connection	Threaded	NPT/ BSP/BSPT	L	79	79	92	111	120	152	172
			ØB	8	10,5	13,5	18	23	29	36,5
	Socket weld	SW	L	79	79	92	111	120	152	172
			L1	9,6	9,6	12,7	12,7	12,7	12,7	16
			ØB	8	10,5	13,5	18	23	29	36,5
			ØD	17,6	21,8	27,1	33,8	42,6	48,7	61,2
	H			61	61	61	78	84	84	118
	Kvs-value			-	1,7	3,1	4,9	7,5	12,2	18
Approx. Weight Threaded/SW			1,2	1,5	1,7	3,5	4	4	10,5	

 Dimensions in mm subject to manufacturing tolerance / Kvs-values in m³/h / Weights in kg