

Wastop Inline Check Valve Technical Specification PVC Series

Art. No: WS75PVC-35 / WS75PVC-45 / WS75PVC-55

Nominal size: DN 80

Material

Pipe: PVC

Membrane: Silicone

Fasteners: Marine grade stainless steel (AISI 316)

Technical data:	Standard	Hard	Extra Hard
Max. back pressure ¹ :	2 mH ₂ O	5 mH ₂ O	8 mH ₂ O
Horizontal opening pressure ¹ :	140 ² mmH ₂ O	160 ² mmH ₂ O	180 ² mmH ₂ O
Horizontal closing pressure ¹ :	90 ² mmH ₂ O	105 ² mmH ₂ O	115 ² mmH ₂ O
Submerged opening pressure ¹ :	130 ² mmH ₂ O	160 ² mmH ₂ O	180 ² mmH ₂ O
Submerged closing pressure ¹ :	15 ² mmH ₂ O	55 ² mmH ₂ O	60 ² mmH ₂ O
Vertical opening pressure ¹ :	205 ² mmH ₂ O	225 ² mmH ₂ O	250 ² mmH ₂ O
Vertical closing pressure ¹ :	95 ² mmH ₂ O	105 ² mmH ₂ O	115 ² mmH ₂ O

¹ +/- 15% ² Modeled value

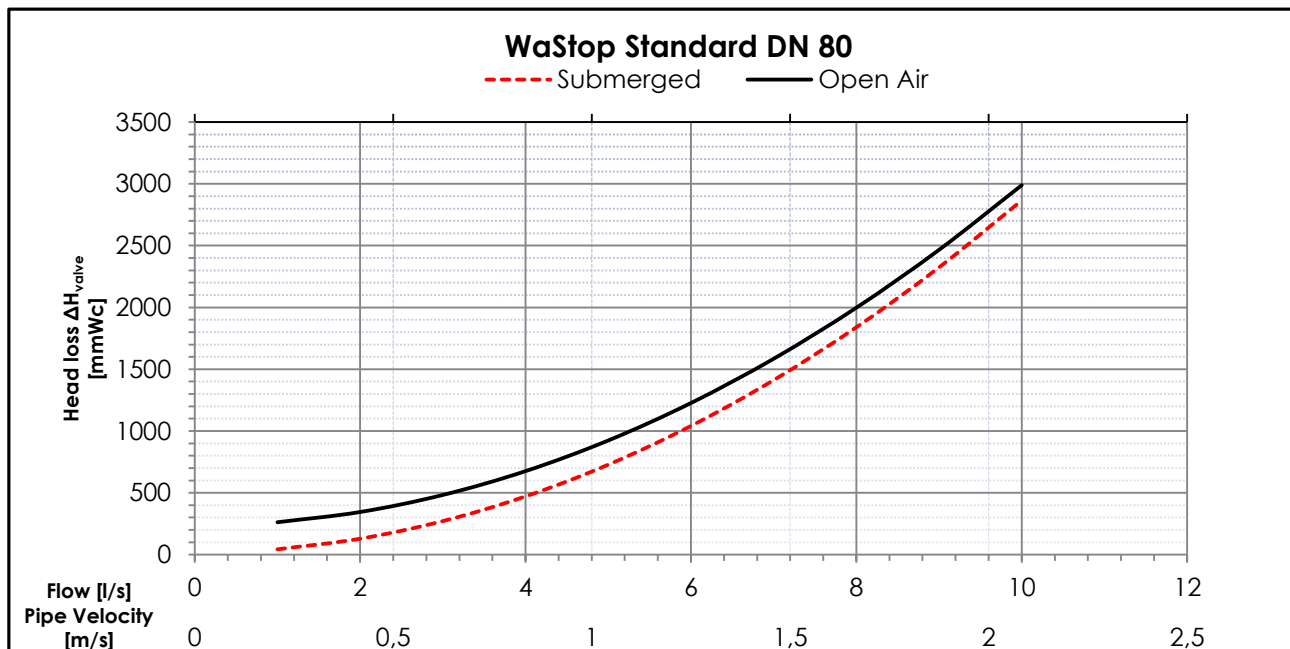
- Values measured from bottom of pipe.

- Tests performed at room temperature (16-20°C).

Max. flow	m/s	l/s
	2	10

- Higher flows requires custom valve, contact Wapro

- Flange installation is highly recommended at flows above 2m/s



- Modeled headloss

Wastop Inline Check Valve Technical Specification PVC Series

Art. No: WS110PVC-45 / WS110PVC-55 / WS110PVC-65

Nominal size: DN 110

Material

Pipe: PVC

Membrane: Silicone

Fasteners: Marine grade stainless steel (AISI 316)

Technical data:	Soft (45)	Standard (55)	Hard (65)
Max. back pressure ¹ :	3 mH ₂ O	5 mH ₂ O	8 mH ₂ O
Horizontal opening pressure ¹ :	150 ² mmH ₂ O	170 ² mmH ₂ O	190 ² mmH ₂ O
Horizontal closing pressure ¹ :	95 ² mmH ₂ O	110 ² mmH ₂ O	120 ² mmH ₂ O
Submerged opening pressure ¹ :	135 ² mmH ₂ O	155 ² mmH ₂ O	175 ² mmH ₂ O
Submerged closing pressure ¹ :	50 ² mmH ₂ O	55 ² mmH ₂ O	60 ² mmH ₂ O
Vertical opening pressure ¹ :	230 ² mmH ₂ O	255 ² mmH ₂ O	280 ² mmH ₂ O
Vertical closing pressure ¹ :	120 ² mmH ₂ O	135 ² mmH ₂ O	145 ² mmH ₂ O

¹ +/- 15% ² Modeled value

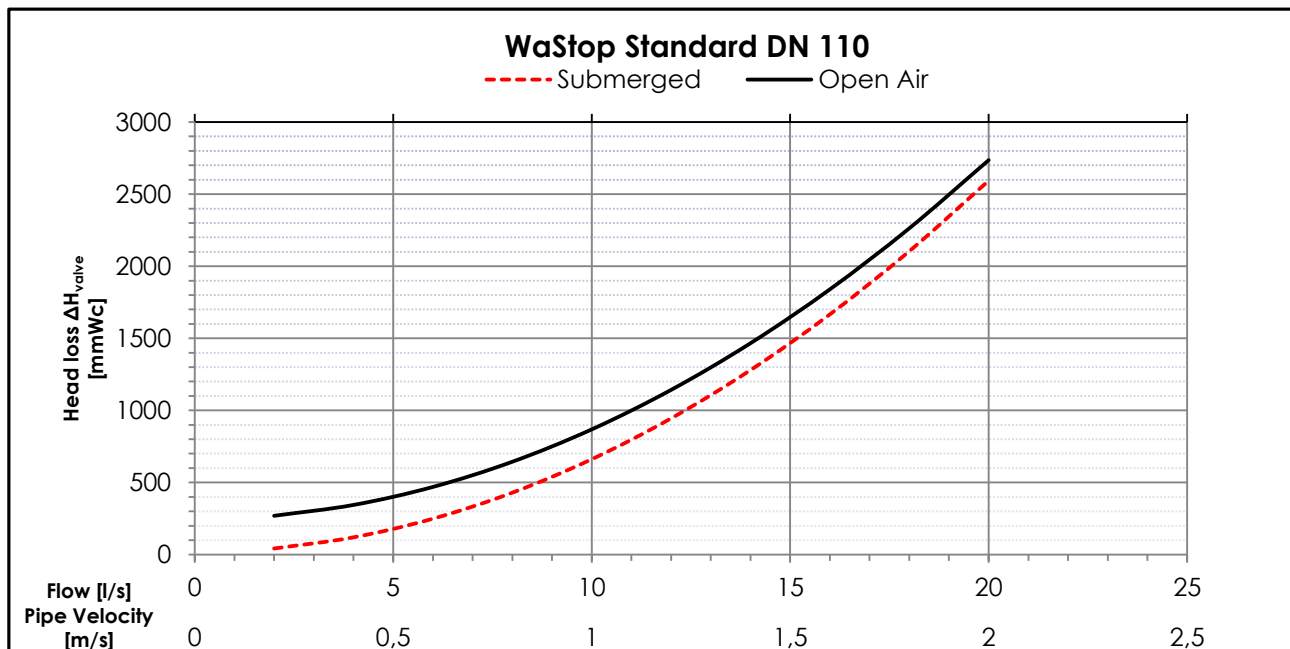
- Values measured from bottom of pipe.

- Tests performed at room temperature (16-20°C).

Max. flow	m/s	l/s
	2	19

-Higher flows requires custom valve, contact Wapro

-Flange installation is highly recommended at flows above 2m/s



- Modeled headloss

Wastop Inline Check Valve Technical Specification PVC Series

Art. No: WS125PVC-45 / WS125PVC-55 / WS125PVC-65

Nominal size: DN 125

Material

Pipe: PVC

Membrane: Silicone

Fasteners: Marine grade stainless steel (AISI 316)

Technical data:	Soft (45)	Standard (55)	Hard (65)
Max. back pressure ¹ :	3 mH ₂ O	5 mH ₂ O	8 mH ₂ O
Horizontal opening pressure ¹ :	155 ² mmH ₂ O	180 mmH ₂ O	200 ² mmH ₂ O
Horizontal closing pressure ¹ :	70 ² mmH ₂ O	80 mmH ₂ O	85 ² mmH ₂ O
Submerged opening pressure ¹ :	140 ² mmH ₂ O	160 ² mmH ₂ O	180 ² mmH ₂ O
Submerged closing pressure ¹ :	35 ² mmH ₂ O	40 ² mmH ₂ O	45 ² mmH ₂ O
Vertical opening pressure ¹ :	235 ² mmH ₂ O	260 ² mmH ₂ O	285 ² mmH ₂ O
Vertical closing pressure ¹ :	125 ² mmH ₂ O	135 ² mmH ₂ O	150 ² mmH ₂ O

¹ +/- 15% ² Modeled value

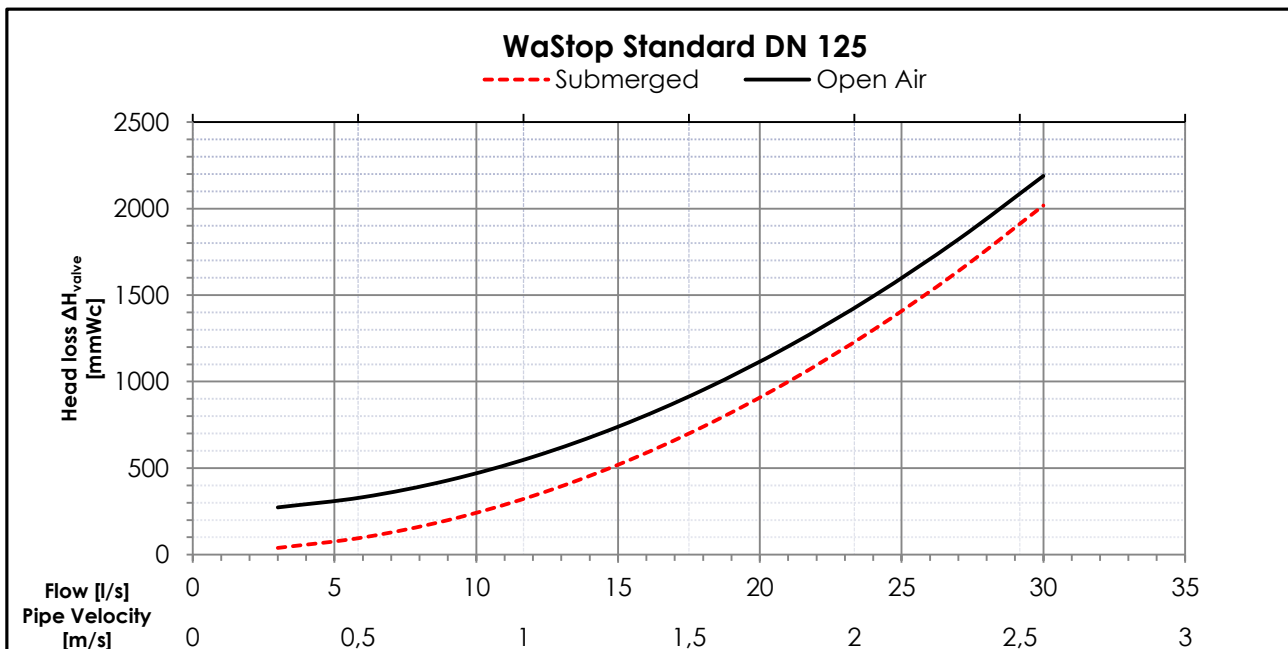
- Values measured from bottom of pipe.

- Tests performed at room temperature (16-20°C).

Max. flow	m/s	l/s
	2	25

- Higher flows requires custom valve, contact Wapro

- Flange installation is highly recommended at flows above 2m/s



- Modeled headloss

Wastop Inline Check Valve Technical Specification PVC Series

Art. No: WS160PVC-45 / WS160PVC-55 / WS160PVC-65

Nominal size: DN 160

Material

Pipe: PVC

Membrane: Silicone

Fasteners: Marine grade stainless steel (AISI 316)

Technical data:	Soft (45)	Standard (55)	Hard (65)
Max. back pressure ¹ :	3 mH ₂ O	5 mH ₂ O	8 mH ₂ O
Horizontal opening pressure ¹ :	160 ² mmH ₂ O	180 ² mmH ₂ O	200 ² mmH ₂ O
Horizontal closing pressure ¹ :	100 ² mmH ₂ O	115 ² mmH ₂ O	130 ² mmH ₂ O
Submerged opening pressure ¹ :	190 ² mmH ₂ O	220 ² mmH ₂ O	250 ² mmH ₂ O
Submerged closing pressure ¹ :	35 ² mmH ₂ O	30 ² mmH ₂ O	35 ² mmH ₂ O
Vertical opening pressure ¹ :	240 ² mmH ₂ O	265 ² mmH ₂ O	290 ² mmH ₂ O
Vertical closing pressure ¹ :	125 ² mmH ₂ O	140 ² mmH ₂ O	155 ² mmH ₂ O

¹) +/- 15% ²) Modeled value

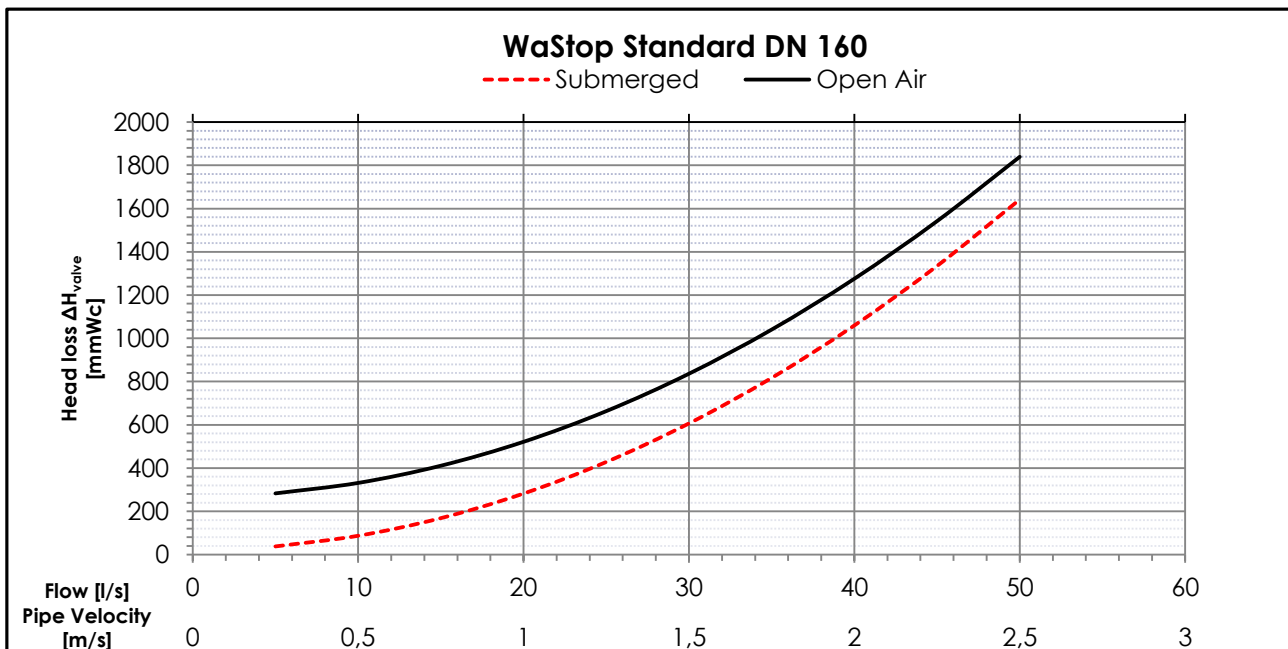
- Values measured from bottom of pipe.

- Tests performed at room temperature (16-20°C).

Max. flow	m/s	l/s
	2	40

-Higher flows requires custom valve, contact Wapro

-Flange installation is highly recommended at flows above 2m/s



- Modeled headloss

Wastop Inline Check Valve Technical Specification PVC Series

Art. No: WS200PVC-45 / WS200PVC-55 / WS200PVC-65

Nominal size: DN 200

Material

Pipe: PVC

Membrane: Silicone

Fasteners: Marine grade stainless steel (AISI 316)

Technical data:	Soft (45)	Standard (55)	Hard (65)
Max. back pressure ¹ :	3 mH ₂ O	5 mH ₂ O	8 mH ₂ O
Horizontal opening pressure ¹ :	175 ² mmH ₂ O	200 mmH ₂ O	225 ² mmH ₂ O
Horizontal closing pressure ¹ :	95 ² mmH ₂ O	105 mmH ₂ O	120 ² mmH ₂ O
Submerged opening pressure ¹ :	140 ² mmH ₂ O	160 ² mmH ₂ O	180 ² mmH ₂ O
Submerged closing pressure ¹ :	0 ² mmH ₂ O	55 ² mmH ₂ O	60 ² mmH ₂ O
Vertical opening pressure ¹ :	255 ² mmH ₂ O	280 ² mmH ₂ O	310 ² mmH ₂ O
Vertical closing pressure ¹ :	135 ² mmH ₂ O	150 ² mmH ₂ O	165 ² mmH ₂ O

¹ +/- 15% ² Modeled value

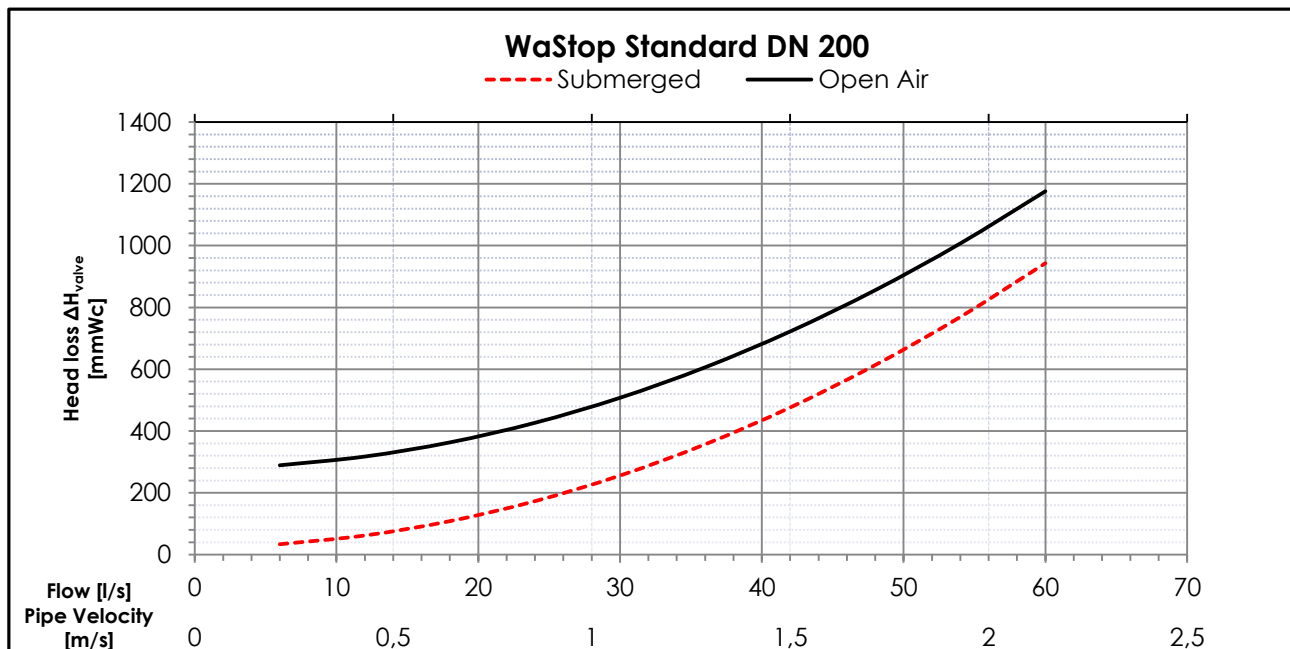
- Values measured from bottom of pipe.

- Tests performed at room temperature (16-20°C).

Max. flow	m/s	l/s
	2	63

- Higher flows requires custom valve, contact Wapro

- Flange installation is highly recommended at flows above 2m/s



- Modeled headloss