

Application

PA 46, PA 47, PA 110	Manual intermittent blowdown of steam boilers and pressurized hot-water boilers.
MPA 46, MPA 47, MPA 110	Automatic, programme-controlled intermittent blowdown of steam boilers and waste-heat boilers. Especially suited for boilers operating without constant supervision (TRD 604).

Pressure/Temperature Rating According to EN 1092-1 for: 1.0460 in accordance with PED and AD 2000 or A105 according to Pressure Equipment Directive (PED).

Type	Ratings according to		Max. pressure [bar] at [t] = ts/p max	Control fluid MPA...	Max. control pressure MPA...
PA 46 MPA 46	PN 40 1.0460	EN 1092-1	234/29	Water or compressed air	8 bar
	PN 40 A105	EN 1092-1	246/36		
	Class 150 A105	ASME B16.34	198/14		
	Class 300 A105	ASME B16.34	254/41		
PA 47 MPA 47	PN 63 1.0460	EN 1092-1	257/44	Compressed air	6 bar
	PN 63 A105	EN 1092-1	271/55		
	Class 400/600 A105	ASME B16.34	270/54		
PA 110 MPA 210	PN 250 1.7335	EN 1092-1	369/206	Compressed air	6 bar
	PN 250 A182-F12	EN 1092-1	374/221		
	Class 400/600 A182-F12	ASME B16.34	300/85		
	Class 900 A182-F12	ASME B16.34	326/124		
	Class 1500 A182-F12	ASME B16.34	363/196		

End Connections

Type	Flanged DIN	Flanged ANSI	Socket-weld	Butt-weld
PA 46, MPA 46	●	●	●	–
PA 47, MPA 47	●	●	●	–
PA 110, MPA 110	●	●	–	●

Dimensions PA 46, MPA 46 [mm]

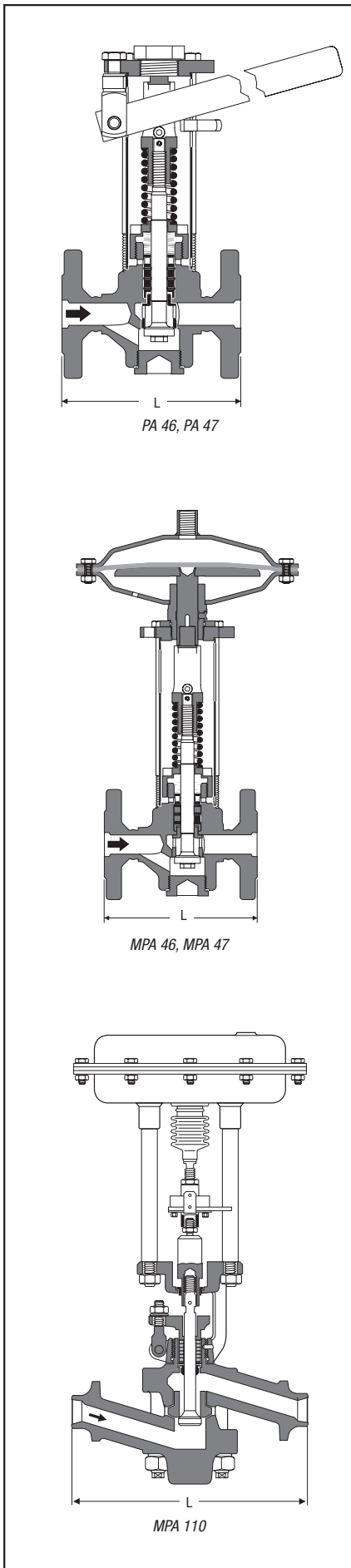
Connection	DN	20	25	32	40	50
Flanged DIN	L	150	160	180	200	230
Flanged ANSI Class 150	L	150	160	180	230	230
Flanged ANSI Class 300	L	150	160	180	230	230
Socket-weld	L	200	200	200	250	250

Dimensions PA 47, MPA 47 [mm]

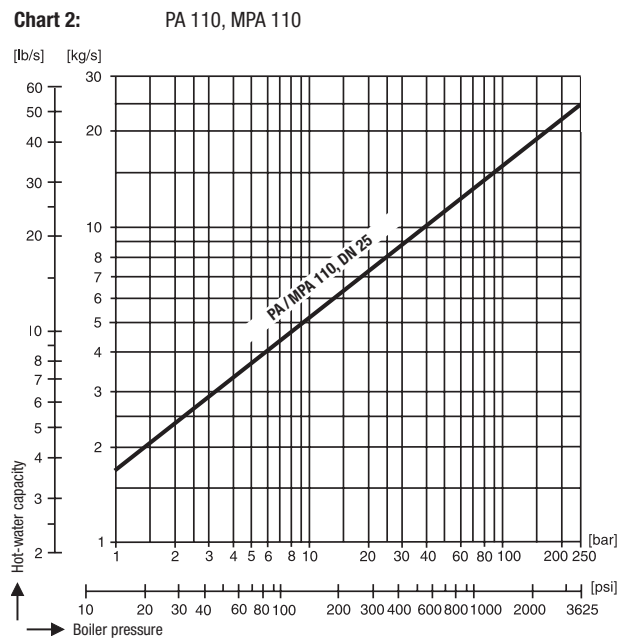
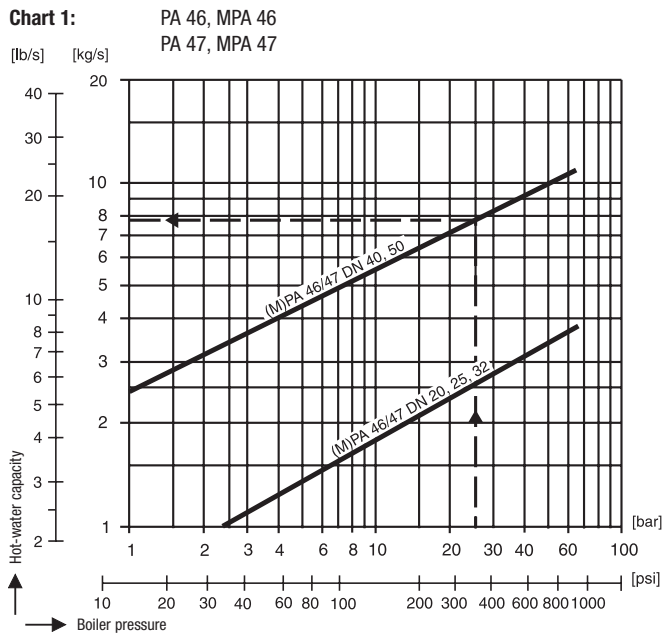
Connection	DN	20	25	32	40	50
Flanged DIN	L	–	190	–	220	250
Flanged ANSI Cl 600	L	–	216	–	216	250
Socket-weld	L	–	200	–	250	250

Dimensions PA 110, MPA 110 [mm]

Connection	DN	20	25	32	40	50
Flanged DIN	L	–	410	–	–	–
Flanged ANSI Cl 600	L	–	410	–	–	–
Flanged ANSI Cl 900 / 1500	L	–	440	–	–	–
Socket-weld	L	–	300	–	–	–



Capacity Charts



The Benefits of the New GESTRA Intermittent Blowdown Valves

- **Improved blowdown effectiveness** through integrated pressure chamber in the outlet section of the body
- **Greater tightness** through additional wiper rings between the packing seals
- **Longer service life** and availability through radial stage nozzle downstream of the valve seat
- **Insensitive to waterhammer** through absence of large body cover
- **Reduced wear** through new arrangement of the seals on the low-pressure side
- **Consistent implementation of the work safety regulations** through novel distance tube
- **Quick and easy installation** thanks to multifunction parts
- **Reduced maintenance and service effort** through additional cup springs acting on the compression spring and through the possibility of tensioning the seals from outside
- **Better checking functionally** through relief vent for leak detection from outside
- **Greater convenience** through innovative clip fastening of the hand lever