

zero air loss condensate drains



eliminate unnecessary air loss with these reliable energy saving condensate drains

nano provides a comprehensive range of high quality zero air loss condensate drains to support virtually any industrial compressed air or gas application. Choose from an advanced level controlled drain that offers electronic feedback for remote monitoring, a heated drain for low ambient temperature reliability or a unique magnetic drain that requires no external power source. From the simplest application to the most critical, nano has the drain you need to protect your downstream equipment from harmful liquid condensate while saving your valuable compressed air.

By maintaining a minimum condensate level within the integrated condensate collection vessel, these drains ensure that no compressed air is discharged during operation. By saving valuable compressed air these zero air loss drains typically pay for themselves within 6 - 18 months when compared to an average timed solenoid drain.

reliable performance. energy saving design

There is simply no application nano drains cannot handle. Whether on a drop leg, a compressed air filter or anywhere condensate collects in the compressor room or on the plant floor, nano has the condensate drain to suit your needs.



NED-LC level controlled drain



NHD heated drain



NMD magnetic drain

applications include:

manufacturing

automotive

oil & gas

paint applications

pneumatic conveying

nano-purification solutions llc
charlotte, north carolina
united states

nano-purification solutions
st. catharines, ontario
canada

nano-purification solutions ltd
gateshead, tyne and wear
united kingdom

nano-purification solutions GmbH
krefeld, germany

tel: 704.897.2182
fax: 704.897.2183
email: support@n-psi.com
web: www.n-psi.com



technical specification

drain model	liquid removal capacity		nominal volume flow rate of aftercooler		nominal volume flow rate of refrigerated dryer		nominal volume flow rate of filter	
	gal/hr	l/hr	scfm	m ³ /h	scfm	m ³ /h	scfm	m ³ /h
automatic float								
NED 12	44.1	167	-	-	-	-	-	-
magnetic zero air loss								
NMD 6	37.8	148	-	-	-	-	-	-
NMD 12	37.8	148	-	-	-	-	-	-
heated zero air loss								
NHD 12	29.0	110	-	-	-	-	-	-
pneumatic zero air loss								
TD 3000	281.0	1064	-	-	-	-	-	-
level controlled zero air loss								
NED 4L N12 115	-	-	147	250	294	500	1471	2500
NED 8LC N12 115	-	-	294	500	589	1000	2943	5000
NED 16LC N12 115	-	-	589	1000	1177	2000	5886	10000
NED 40LC N12 115	-	-	1471	2500	2943	5000	14714	25000
NED 160LC N12 115	-	-	5297	9000	10594	18000	52972	90000

drain model	inlet	outlet	pressure rating	supply voltage	dimensions (inches)			approx. weight	service kit
	NPT				NPT	psig	1Ph/60Hz		
automatic float									
NED 12	½" (f)	½" (f)	290	-	5.1	5.3	4.3	1.32	-
magnetic zero air loss									
NMD 6	½" (f) ⁽³⁾	⅜" (f)	230	-	4.2	4.7	4.8	3.00	NMD MK6
NMD 12	½" (f)	⅜" (f)	230	-	4.1	4.7	4.8	4.50	NMD MK12
heated zero air loss									
NHD 12	½" (f)	¼" (f)	230	115V	4.5	3.5	7.1	5.5	NHD MK
pneumatic zero air loss									
TD 3000	½" (f) x3	½" (f)	230	-	4.5	4.9	6.1	3.00	TD MK
level controlled zero air loss									
NED 4L N12 115	½" (m)	⅜" (f)	232	115 V	4.1	2.4	5.5	0.88	NED4-500L
NED 8LC N12 115	½" (f) x2	⅜" (f)	232	115 V	5.5	2.7	6.9	1.32	NED4-500L
NED 16LC N12 115	½" (f) x2	⅜" (f)	232	115 V	6.1	2.7	6.9	1.54	NED4-500L
NED 40LC N12 115	½" (f) x2	⅜" (f)	232	115 V	8.5	2.7	6.9	2.64	NED4-500L
NED 160LC N12 115	½" (G) x2	⅜" (f)	232	115 V	15.9	7.5	4.0	7.9	NED4-500L

specifications	NED	NMD	NHD	TD	NED-LC
material of construction	aluminum	aluminum	aluminum	aluminum	aluminum ⁽³⁾
isolation valve	-	-	-	-	-
strainer	-	-	integral	integral	integral
timer	-	-	-	-	-
anti air lock connector	included	included	-	-	-
6 ft power cord	-	-	included	-	included

(1) at a compressor intake of 77°F and 60% RH, and a compressor discharge of 100 psig and 95°F (at aftercooler outlet)
 (2) 230 Volt (1Ph/60Hz) is available as an option. contact support@n-psi.com for details
 (3) the NMD 6 is a smaller, more compact version of the NMD 12 and is painted black
 (4) NED4L is made from glass reinforced plastic. All other NED-LC models are aluminum

