

Система нейтрализации лабораторных паров с активной аспирацией SCRUBBER

Технические характеристики

По вопросам продаж и поддержки обращайтесь:

Алматы (727)345-47-04
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47

Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Саранск (8342)22-96-24
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35

Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Россия +7(495)268-04-70

Казахстан +(727)345-47-04

Беларусь +(375)257-127-884

Узбекистан +998(71)205-18-59

Киргизия +996(312)96-26-47

эл.почта: gra@nt-rt.ru || сайт: <https://raura.nt-rt.ru/>

Fumes neutralization system



INTENDED USE

- + EXTRACTION AND NEUTRALIZATION OF HARMFUL FUMES

TECHNICAL DESCRIPTION

- Closed fumes evacuation system assisted by a vacuum pump.
- Manually adjustable vacuum pump, with acoustic insulation and an adjustable absolute vacuum between 10mBar and 800mBar.
- Refrigeration circuit with cooling water that condensates the fumes produced during digestions.
- Washing solution flask neutralizes acid or basic condensates.
- Adsorption flask filtrates and neutralizes fumes by a filter of activated charcoal.
- External case made of stainless steel AISI-304 painted with epoxy resin. Glass objects made of Borosilicate 3.3. Tubes made of PVC (Cristalflex®), silicone and Teflon®. Pump made of PPS, EPDM and FPM. Gasket set made of Teflon®.




WORKING PRINCIPLE

- The gas produced during chemical reactions is extracted by the action of a vacuum pump. Firstly, the gas undergoes a phase of condensation that acts as preliminary extractor for steams and dragged liquids, avoiding warming or volume increasement in posterior wash-up solution.
- The acid or alkaline vapors are washed and neutralized in the next step. Moreover, most of the unwanted particles are retained through granules of activated charcoal. The used air in the process is conducted to an extractor or to the exterior.
- Ideal to use together with MBC digesters. Both systems are connected by a flexible hose that joins the Compact block digestion system (MBC Series) and the Fumes neutralization unit (Scrubber).

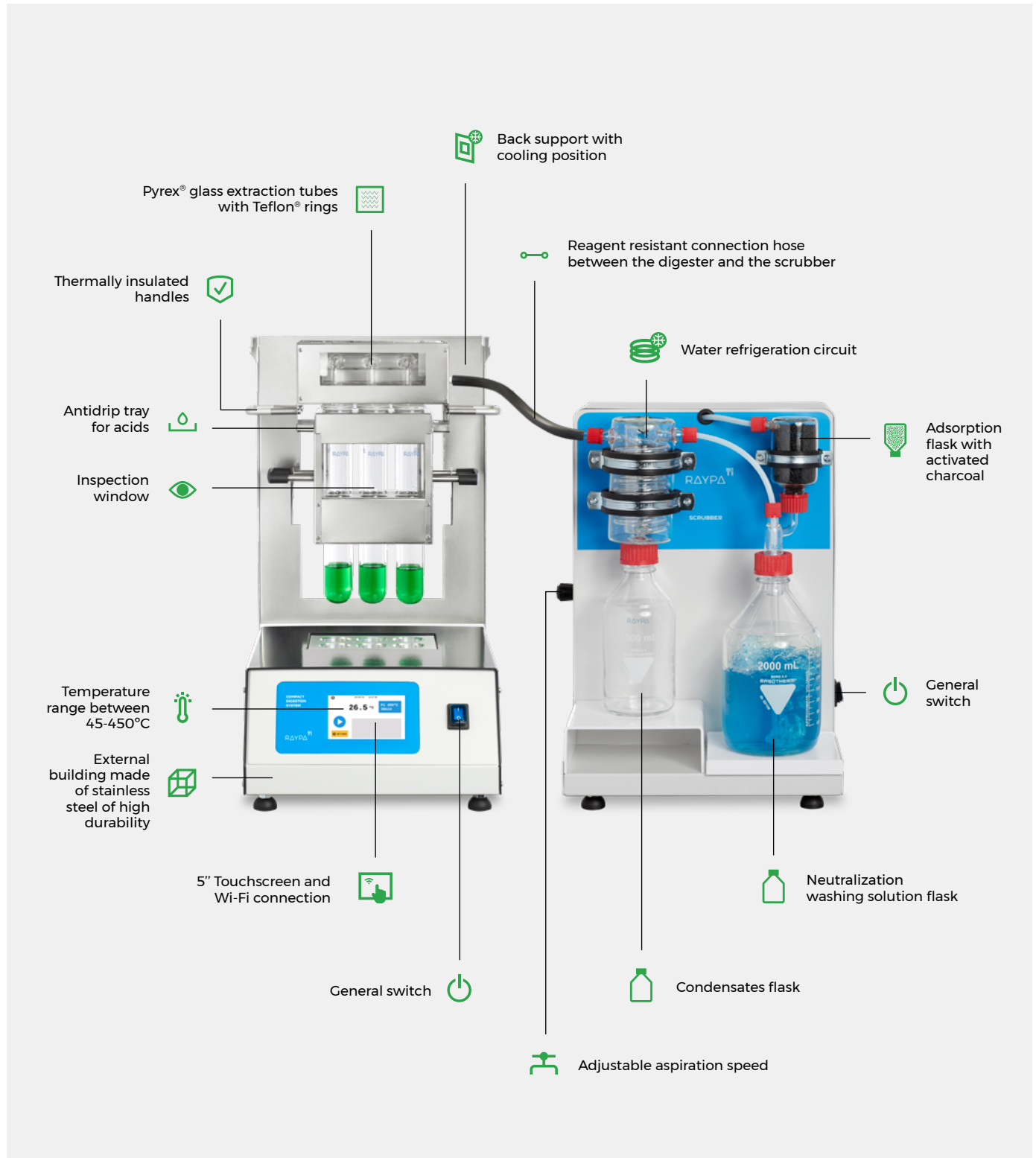
SUPPLIED WITH THE FOLLOWING COMPONENTS

- Scrubber with vacuum pump.
- Refrigeration unit.
- Condensates flask of 1L.
- Neutralization flask of 2L.
- Adsorption flask.
- Complete Teflon® gasket set.
- Complete fluorinated elastomer hoses set.
- Anti-drip tray for neutralization flask.
- Support for condensates flask.

TECHNICAL SUMMARY OF SCRUBBER

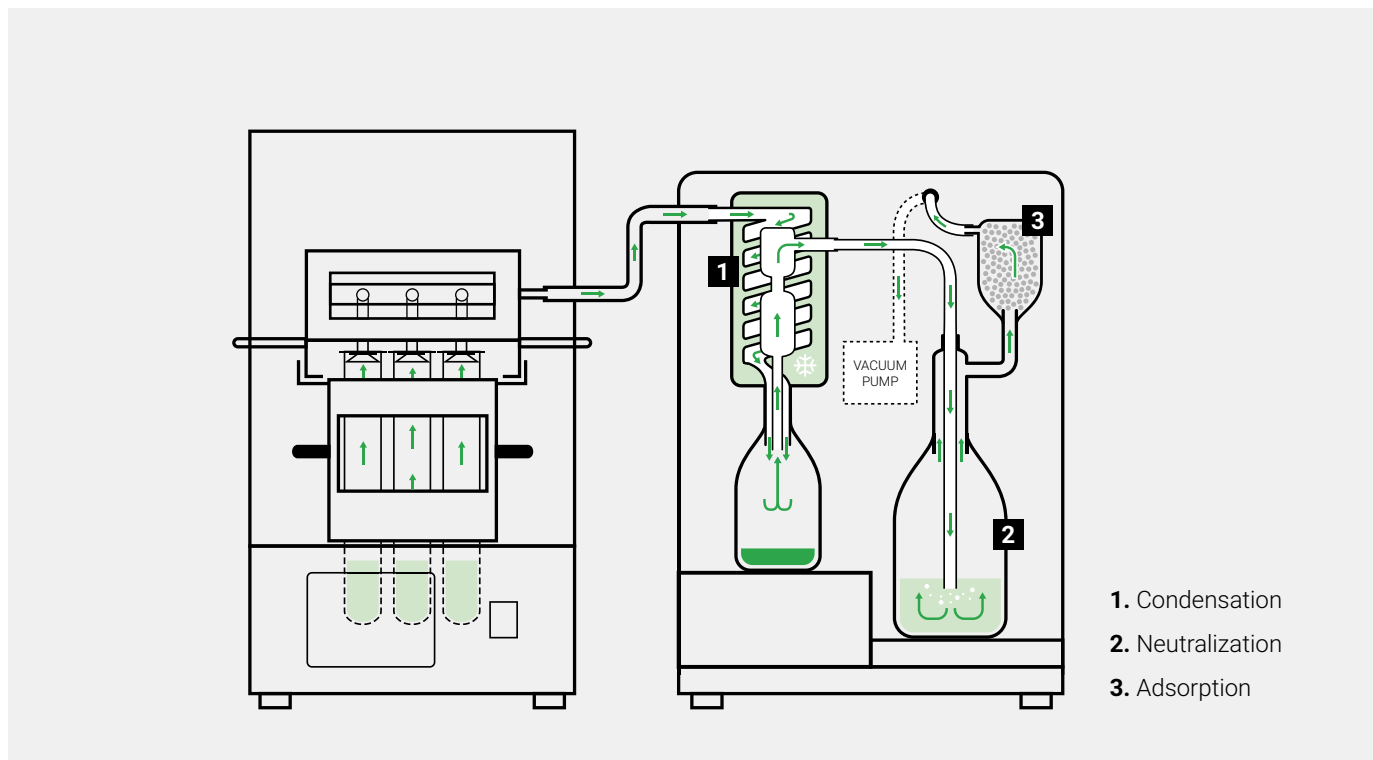
 General information	Type	Closed fumes evacuation system with vacuum pump
	Aspiration	Vacuum pump of adjustable power
 Included processes	Condensation	Circulating water through refrigeration circuit
	Neutralization	Washing alkaline or acid solution
	Filtration and adsorption	Activated charcoal
 Performance data	Vacuum pump maximum vacuum mBar	10
	Scrubber water consumption (depending on exhaust fumes) L/min	3 - 5

MAIN FEATURES



Fumes neutralization system

OPERATION



Our SCRUBBER is offered as a stand alone equipment but it is primarily offered together with our Compact block digestion system (MBC Series), for more information of our MBC Series please visit our website.

The exhaust fumes that enter the SCRUBBER undergo a phase of condensation that acts as a preliminary extractor for steams and dragged liquids, avoiding warming or volume increasement in the posterior wash-up solution. The acid or alkaline vapors are then washed and neutralized in the next step. In the final step, most of the remaining particles are retained through granules of activated charcoal.





Specifications

Reference	SCRUBBER
External dimensions L x D x H mm	375 x 310 x 540
Power W	100
Voltage* V	230
Weight Kg	13
Frequency Hz	50/60
Ambient temperature °C	5 - 40
Ambient humidity °C	30 - 80

*Other voltages and electrical configurations available on request.

Regulations

Our Fumes neutralization system SCRUBBER, is designed to comply with the strictest international directives and standards, including the following:

- **EN-61010-1** Safety requirements for electrical equipment for measurement, control and laboratory use. **Part 1:** General requirements.
- **EN-61326** Electrical equipment for measurement, control and laboratory use. EMC Requirements.
- **2014/35/UE** Low voltage.
- **2014/30/UE** Electromagnetic compatibility.

Main fields of application



FOOD AND FEED INDUSTRY



ENVIRONMENTAL ANALYSIS



PHARMACEUTICAL INDUSTRY



CHEMICAL ANALYSIS

По вопросам продаж и поддержки обращайтесь:

Алматы (727)345-47-04
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47

Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Саранск (8342)22-96-24
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35

Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Россия +7(495)268-04-70

Казахстан +(727)345-47-04

Беларусь +(375)257-127-884

Узбекистан +998(71)205-18-59

Киргизия +996(312)96-26-47

эл.почта: gra@nt-rt.ru || сайт: <https://rayra.nt-rt.ru/>