

Архангельск (8182)63-90-72
Астана (7172)727-132
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
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
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
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
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

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
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
Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93

Киргизия (996)312-96-26-47

Россия (495)268-04-70

Казахстан (772)734-952-31

<https://coperion.nt-rt.ru/> || cno@nt-rt.ru

Bulk Solids Pump Feeders BSP



Gentle, precise feeding of free-flowing materials

The unique Coperion K-Tron Bulk Solids Pump (BSP) feeders have been specifically designed and engineered to provide gentle, precise feeding of free-flowing pellets, granules, flakes, powders and friable products.

The BSP feeders do not use the usual screws/augers, belts or vibratory trays to convey the material. Instead, they utilize positive displacement action to feed free flowing materials with astounding accuracy, offering uniform discharge, consistent volume and gentle handling. All BSP feeders have vertical rotating discs that create a product lock-up zone, conveying the material smoothly from storage hopper to discharge outlet, achieving true linear mass flow.

DESIGN FEATURES

Utilizing a simple design and the principle known as „lock-up“, the material in the feeder is moved together in true positive displacement, producing excellent linearity and breakthrough accuracy levels. The compact feeder is cleaned in seconds, making it ideal for applications with frequent material changes.

With only one moving part and no pockets or screws, the design is simple, providing ease of use and almost zero maintenance. There are practically no areas for the product to trap so cleaning is very easy. Reliability is assured with few parts and very little strain on any one item due to the low friction of the system. Easily damaged or low melt point additives are also protected from degradation. The inlet slide gate allows for material shut-off and removal of the feeder for cleaning and hopper emptying.

AVAILABLE MODELS

BSP-100



BSP-100

The BSP-100 features a single feeding duct formed by two rotating discs. It includes a conical inlet transition piece which can be combined with a variety of standard extension hoppers. A slide gate on the inlet allows for material shutoff and removal of feeder for cleaning and hopper emptying. The BSP-100 is available as a volumetric unit or as a gravimetric unit with a choice of two platform scales, single point suspension scale or three-point suspension scale.

Product contact parts are manufactured of electroless nickel plated cast aluminum.

Hazardous location options (ATEX, NEC) available.

Consult Product Specification Sheet for more details.

FEED RATES

Nominal feed rate: 2 to 400 dm³/h (0.07 to 14 ft³/h) at 0.3 to 60 rpm
Theoretical displacement: 0.11 dm³/rev (0.0039 ft³/rev)

BSP-135



BSP-135

The BSP-135 is a slightly larger version of the BSP-100, with all the same features except that it has three feeding ducts instead of one. The BSP-135 is available as a volumetric unit or as a

gravimetric unit with a choice of platform scale, single point suspension scale or three-point suspension scale.

Product contact parts are manufactured of electroless nickel plated cast aluminum.

Hazardous location options (ATEX, NEC) available.

Consult Product Specification Sheet for more details.

FEED RATES

Nominal feed rate: 22 to 4400 dm³/h (0.78 to 156 ft³/h) at 0.3 to 60 rpm

Theoretical displacement: 1.23 dm³/rev (0.0433 ft³/rev)

BSP-150-S



BSP-150-S

The BSP-150-S is a 4-duct version based on the same technology as the BSP-100, but manufactured of stainless steel. It also includes an inlet transition piece, as well as a stepper motor and removable material discharge chute.

The BSP-150-S is available as a volumetric unit or as a gravimetric unit with a three-point suspension scale.

Hazardous location options (ATEX, NEC) available.

Consult Product Specification Sheet for more details.

FEED RATES

Nominal feed rate: 34 to 6700 dm³/h (1.2 to 237 ft³/h)

Архангельск (8182)63-90-72
Астана (7172)727-132
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
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
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Липецк (4742)52-20-81

Киргизия (996)312-96-26-47

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
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

Россия (495)268-04-70

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
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13

Казахстан (772)734-952-31

Сургут (3462)77-98-35
Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93

<https://coperion.nt-rt.ru/> || cno@nt-rt.ru