

# PRODUCTS

- 2 VALVE
- 16 FILTER
- 26 PUMP
- 30 UNIT

## GAS VALVE [ガス栓]

### HOSE CONNECTING TYPE [ホース接続]

#### Specification [仕様] : TOF-200F

- ・FLOW RATE(AIR) [空気流量]
  - 10 kW-Connected Appliance [接続器具] : 500L/h MIN 以上
  - 15 kW-Connected Appliance [接続器具] : 700L/h MIN 以上
- ・AIR TIGHTNESS [気密性]
  - 22.5kPa MIN 以上
- ・ACTUATED FLOW RATE OF SAFETY VALVE [ヒューズ作動流量]
  - AT 2.8kPa AIR PRESSURE [エア圧 2.8kPaの場合]
  - 10 kW-Connected Appliance [接続器具] : 900L/h $\pm$ 10%
  - 15 kW-Connected Appliance [接続器具] : 1200L/h $\pm$ 10%
- ・OPERATING PERFORMANCE [操作性]
  - 0.6N·m MAX 以下
- ・OPERATION RESISTANCE
  - 10,000 TIMES MIN 以上



TOF-200F



TOF-100F



TOF-200FC



TOF-100FC



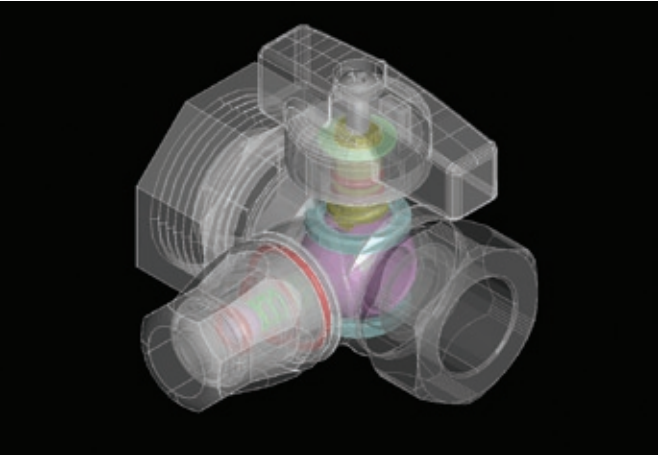


GAS VALVE [ガス栓]

IN-LINE-FITTING [ネジガス栓]

Specification [仕様] : YUB-48KC

- ・FLOW RATE(AIR) [空気流量]  
1/2 TAPER PIPE THREADS [呼び] : 1/2  
6000L/h MIN 以上
- ・AIR TIGHTNESS [気密性]  
22.5kPa MIN 以上
- ・FUNCTIONAL FITTING FOR TESTED  
AIRTIGHTNESS OF PIPING  
検査孔付
- ・OPERATING PERFORMANCE [操作性]  
STARTING TORQUE : 2.5 N・m MAX 以下  
ACTION-TORQUE : 1.5 N・m MAX 以下
- ・OPERATION RESISTANCE  
1,000 TIMES MIN 以上

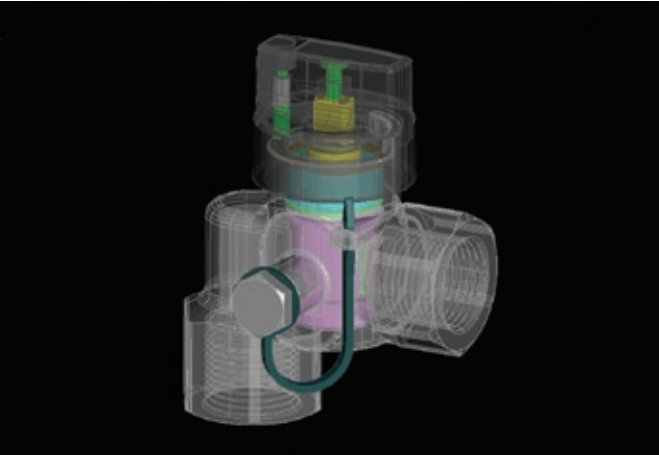


GAS VALVE [ガス栓]

FLEXIBLE-FITTING [フレキガス栓]

Specification [仕様] : TF-40K

- ・FLOW RATE(AIR) [空気流量]  
1/2 TAPER PIPE THREADS [呼び] : 1/2  
2000L/h MIN 以上
- ・AIR TIGHTNESS [気密性]  
22.5kPa MIN 以上
- ・FUNCTIONAL FITTING FOR TESTED  
AIRTIGHTNESS OF PIPING  
検査孔付
- ・OPERATING PERFORMANCE [操作性]  
0.6N・m MAX 以下
- ・OPERATION RESISTANCE  
10,000 TIMES MIN 以上



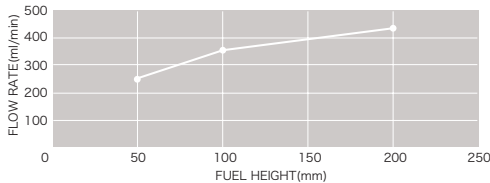


HAND-OPERATED VALVE [マニュアルコック]

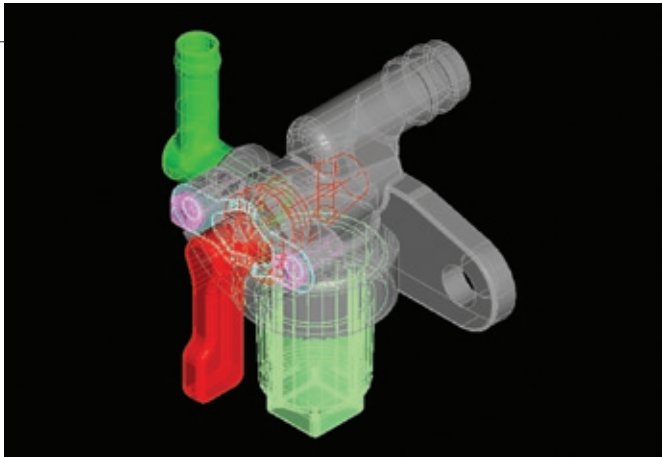
TAPER TYPE [テーパータイプ]

Specification [仕様] : MI-31-100

・FLOW RATE [流量]



- ・AIR TIGHTNESS [気密性] / 50kPa MIN 以上
- ・OPERATING PERFORMANCE [操作性] / 0.6N・m MAX 以下 (2~3回作動後)
- ・APPLICATION [使用] / GASOLINE [ガソリン]、LIGHT-OIL [軽油]、KEROSENE [灯油]

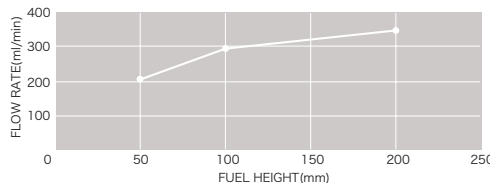


HAND-OPERATED VALVE [マニュアルコック]

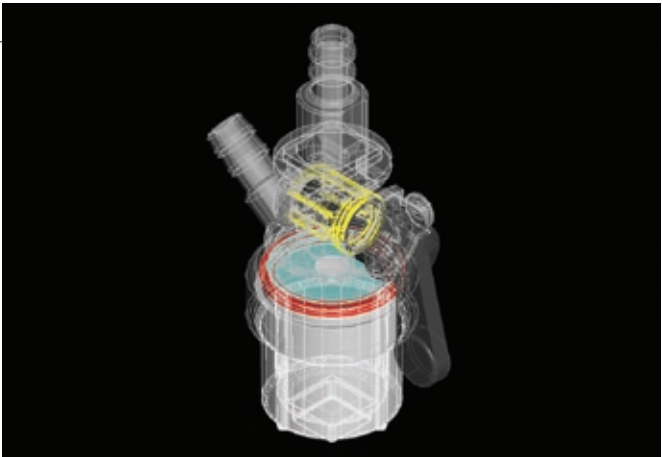
SHEET TYPE [シートタイプ]

Specification [仕様] : DG-58-100

・FLOW RATE [流量]



- ・AIR TIGHTNESS [気密性] / 50kPa MIN 以上
- ・OPERATING PERFORMANCE [操作性] / 0.6N・m MAX 以下 (2~3回作動後)
- ・APPLICATION [使用] / GASOLINE [ガソリン]、E20-BLENDED GASOLINE [エタノール20%混合ガソリン]



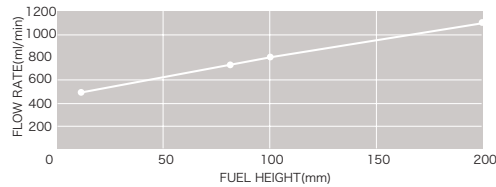


HAND-OPERATED VALVE [マニュアルコック]

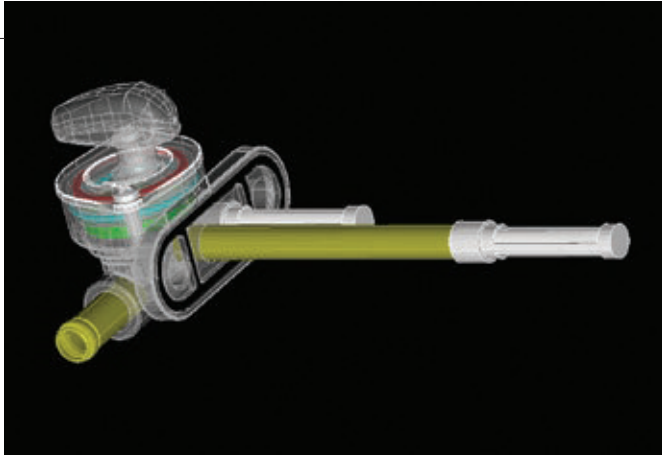
DISK TYPE [ディスクタイプ]

Specification [仕様] : YM-213-100C

・FLOW RATE [流量]



- ・AIR TIGHTNESS [気密性] / 50 kPa MIN 以上
- ・OPERATING PERFORMANCE [操作性] / 0.5 N·m MAX 以下(2~3回作動後)
- ・APPLICATION [使用] / GASOLINE [ガソリン]

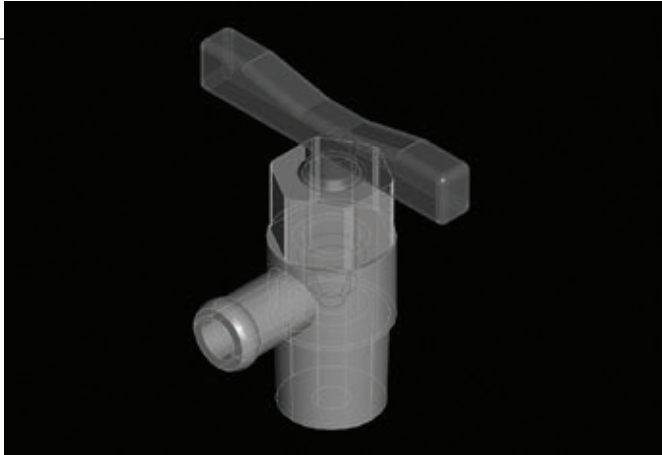


HAND-OPERATED VALVE [マニュアルコック]

NEEDLE TYPE [ニードルタイプ]

Specification [仕様] : IF-100BQ

- ・AIR TIGHTNESS [気密性] / 200 kPa MIN 以上
- ・SEALING TORQUE AGAINST LEAKAGE / 3 N·m MAX 以下
- ・OPERATION RESISTANCE [操作耐久性] / 300 TIMES MIN 以上
- ・APPLICATION [使用] / COOLING FLUID



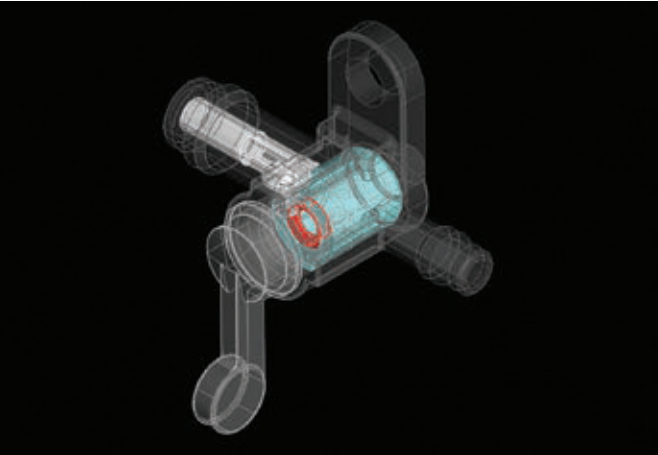


PLASTIC VALVE [樹脂コック]

SHEET TYPE [シートタイプ]

Specification [仕様] : YM-26-100A

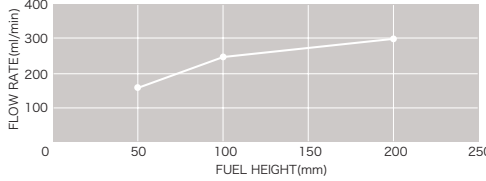
- ・FLOW RATE [流量]  
120 ml/min MIN 以上 (H=100 mm)
- ・AIR TIGHTNESS [気密性]  
50 kPa MIN 以上
- ・OPERATING PERFORMANCE [操作性]  
0.5N・m MAX 以下(2~3回作動後)
- ・APPLICATION [使用]  
GASOLINE [ガソリン]



PLASTIC VALVE [樹脂コック]

BALL TYPE [ボールタイプ]

Specification [仕様] : HG-5-500BT

- ・FLOW RATE [流量]  

- ・AIR TIGHTNESS [気密性] / 70 kPa MIN 以上
- ・OPERATING PERFORMANCE [操作性] / 0.5N・m MAX 以下(2~3回作動後)
- ・APPLICATION [使用] / GASOLINE [ガソリン]、E20-BLENDED GASOLINE、M20-BLENDED GASOLINE、MTBE15-BLENDED GASOLINE



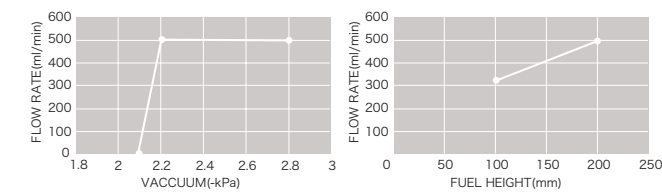


# VACCUME-OPERATED VALVE [負圧コック]

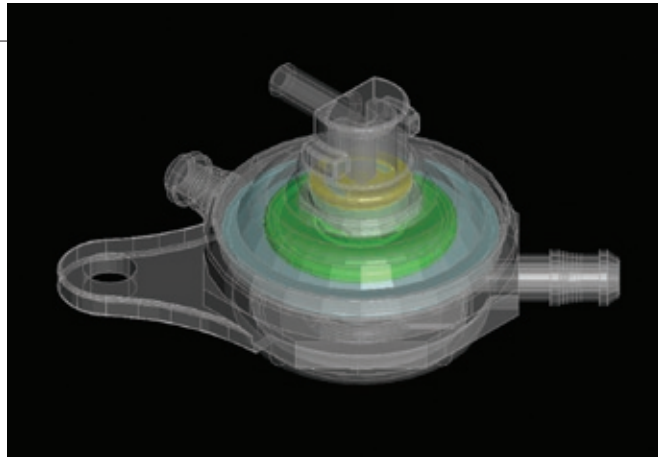
## IN-LINE ROUND TYPE [丸型]

Specification [仕様] : THO-1-200BT

・FLOW RATE [流量]



- ・AIR TIGHTNESS [気密性] / 50 kPa MIN 以上
- ・PRESSURE RESISTANCE OF VALVE [締切燃料ヘッド] / 250 mm GASOLINE HEIGHT MIN 以上
- ・APPLICATION [使用] / GASOLINE [ガソリン]、E20-BLENDED GASOLINE [エタノール20%混合ガソリン]



THO-1-200BT

TGO-23-200Q

TGO-25-200Q

TGO-17-200T

TGO-11-200T

TGO-26-500T

TGO-19-200T

TGO-13-200Q

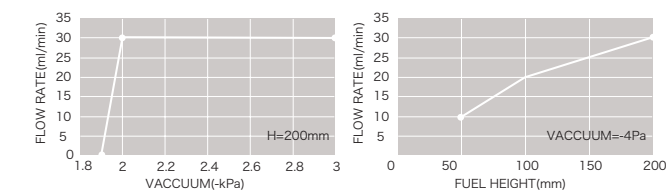
TGO-28-100BT

# VACCUME-OPERATED VALVE [負圧コック]

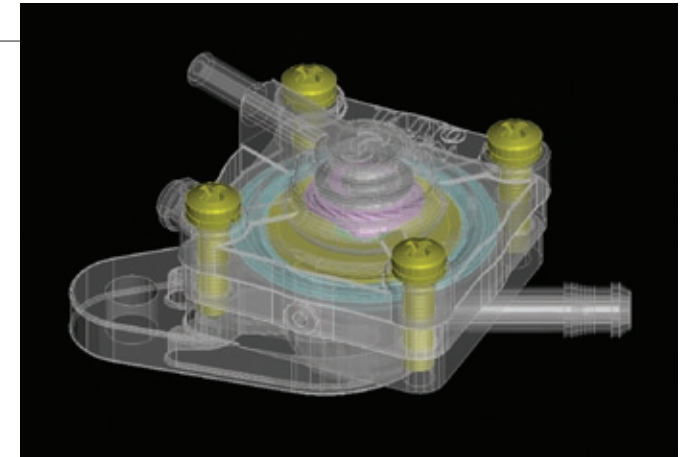
## IN-LINE SQUARE TYPE [角型]

Specification [仕様] : THO-2-200BT

・FLOW RATE [流量]



- ・AIR TIGHTNESS [気密性] / 50 kPa MIN 以上
- ・PRESSURE RESISTANCE OF VALVE [締切燃料ヘッド] / 250 mm GASOLINE HEIGHT MIN 以上
- ・APPLICATION [使用] / GASOLINE [ガソリン]、E20-BLENDED GASOLINE [エタノール20%混合ガソリン]



TGO-16-200T

THO-2-200BT

YMO-101-100FT

YMO-131-200AT

YMO-128-100AT

YMO-134-200T

TGO-22-200Q

YMO-122-200BT

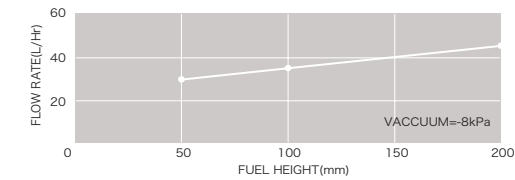


## VACCUME-OPERATED VALVE [負圧コック]

### RESERVE FUNCTIONAL TYPE [リザーブ付]

Specification [仕様] : HLO-2-100

・FLOW RATE [流量]



- ・AIR TIGHTNESS [気密性] / 50 kPa MIN 以上
- ・PRESSURE RESISTANCE OF VALVE [締切燃料ヘッド] / 760 mm GASOLINE HEIGHT MIN 以上
- ・APPLICATION [使用] / GASOLINE [ガソリン]、E20-BLENDED GASOLINE [エタノール20%混合ガソリン]、MTBE20-BLENDED GASOLINE [MTBE20%混合ガソリン]



HLO-2-100



SKO-38-100



KTO-68-100A



SKO-35-100



KTO-74-100A



SKO-23-100A



YMO-31-100E



KTO-57-100C



SKO-19-100



## CHECK VALVE [チェックバルブ]

### CHECK VALVE [逆流防止弁]

Specification [仕様] : SS-26-100

・AIR-TIGHTNESS [気密性]

80 kPa MIN 以上

・OPENING-VALVE PRESSURE [開弁圧]

8 kPa MAX 以下

・PRESSURE RESISTANCE OF CHECK VALVE

100mm GAS-HEAD MIN 以上

・APPLICATION [使用]

GASOLINE [ガソリン]、

E20-BLENDED GASOLINE [エタノール20%混合ガソリン]

M20-BLENDED GASOLINE [メタノール20%混合ガソリン]



SS-26-100



YM-247-100A



YD-268-100



FJ-63-100A



HG-19-100



KT-190-50



HJ-1-200Q



HJ-4-200Q



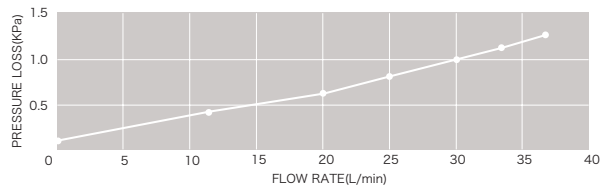


CHECK VALVE [チェックバルブ]

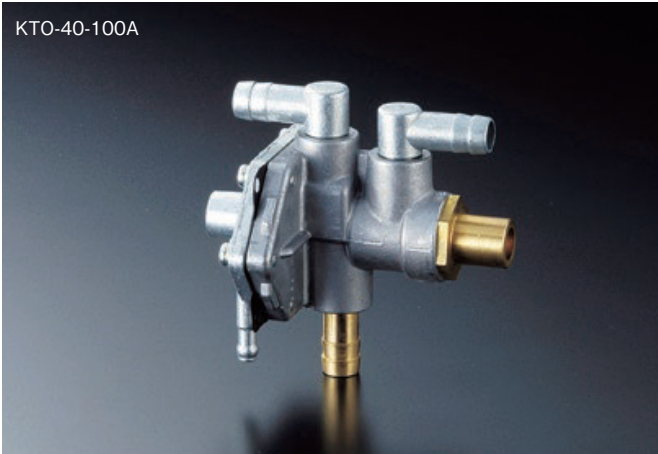
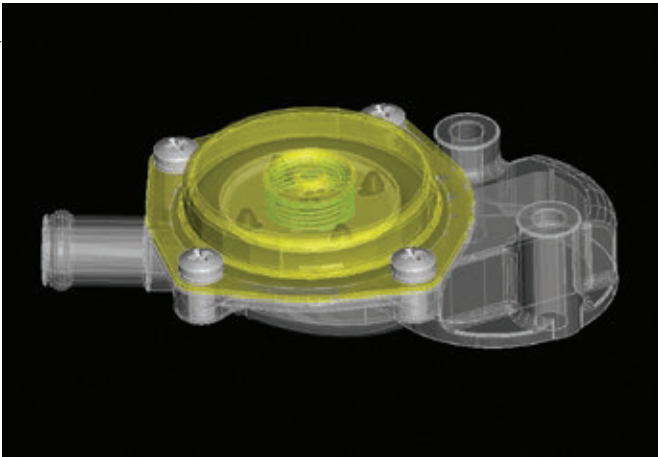
REGULATOR [圧力調整弁]

Specification [仕様] : DK-121-100B

・FLOW RATE—PRESSURE LOSS [流量—圧力損失]



- ・OPENING-VALVE PRESSURE [開弁圧] / 0.15±0.1 kPa
- ・AIR TIGHTNESS [気密性] / 6kPa
- ・RESISTANCE TO VACCUUM [耐負圧性] / 5kPa
- ・APPLICATION [使用] / LIGHT OIL [軽油]、TOWN GAS [都市ガス]



RELEAF VALVE [逆流防止弁]

Specification [仕様] : KT-204-100AT

- ・OPENING-VALVE PRESSURE [開弁圧] / 510±98 kPa
- ・WORKING TEMPERATURE [使用温度] / 140℃MAX 以下
- ・APPLICATION [使用燃料] / ENGINE OIL [エンジンオイル]

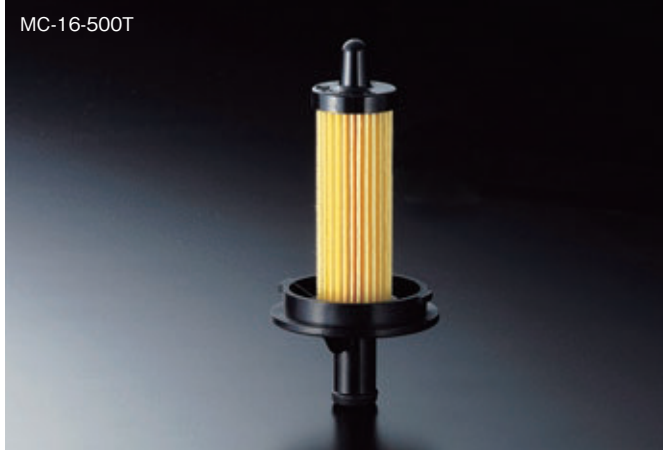
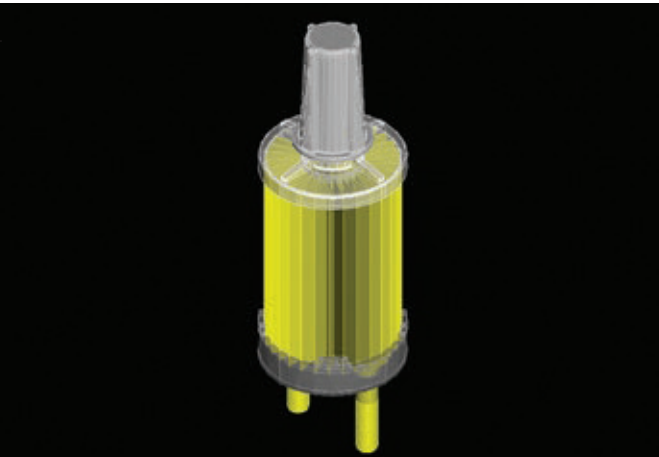


OUTLET TYPE [アウトレットタイプ]

PAPER TYPE [ペーパー]

Specification [仕様] : YD-211-30BQ

- ・FLOW RATE - PRESSURE LOSS [流量-圧力損失]  
FLOW RATE : 0.15L/min  
PRESSURE LOSS : 70Pa
- ・FILTERED PARTICLE SIZE [ろ過粒径]  
MAX.10μ
- ・FILTRATION AREA [ろ過面積]  
260 cm2
- ・APPLICATION [使用]  
GASOLINE [ガソリン]、  
E20-BLENDED GASOLINE [エタノール20%混合ガソリン]  
KEROSENE [灯油]



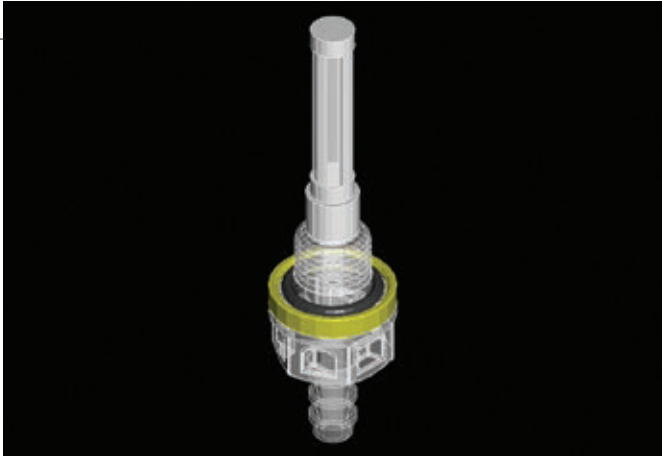


OUTLET TYPE [アウトレットタイプ]

PA NET [ナイロンメッシュ]

Specification [仕様] : FJ-86-50AT

- ・MATERIAL OF FILTER [フィルタ材質]  
PA66 [66ナイロン]
- ・FILTRATION MESH [フィルタメッシュ]  
#200 [メッシュ]
- ・OPENING SIZE [開口径]  
77μ
- ・FILTRATION AREA [ろ過面積]  
3.7cm<sup>2</sup>
- ・APPLICATION [使用]  
GASOLINE [ガソリン]、  
E20-BLENDED GASOLINE [エタノール20%混合ガソリン]

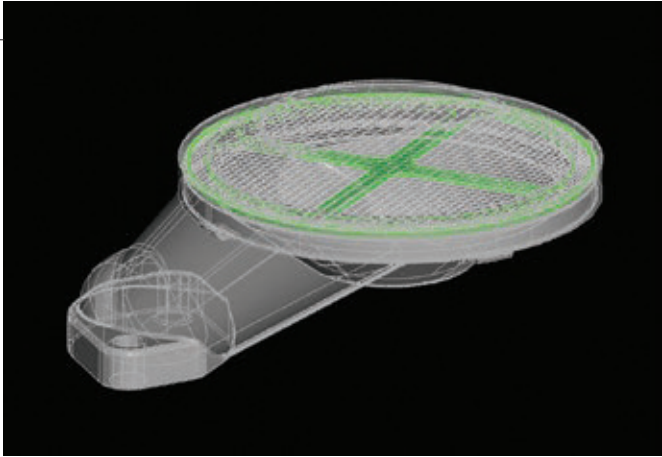


INLET TYPE [インレットタイプ]

METAL NET [金網]

Specification [仕様] : KT-152-100

- ・MATERIAL OF FILTER [フィルタ材質]  
SUS 304
- ・FILTRATION MESH [フィルタメッシュ]  
#40 [メッシュ]
- ・OPENING SIZE [開口径]  
450μ
- ・FILTRATION AREA [ろ過面積]  
39cm<sup>2</sup>
- ・APPLICATION [使用]  
ENGINE OIL [エンジンオイル]



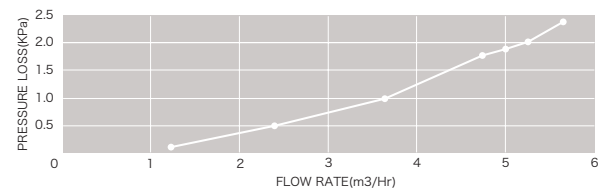


IN-LINE TYPE [インラインタイプ]

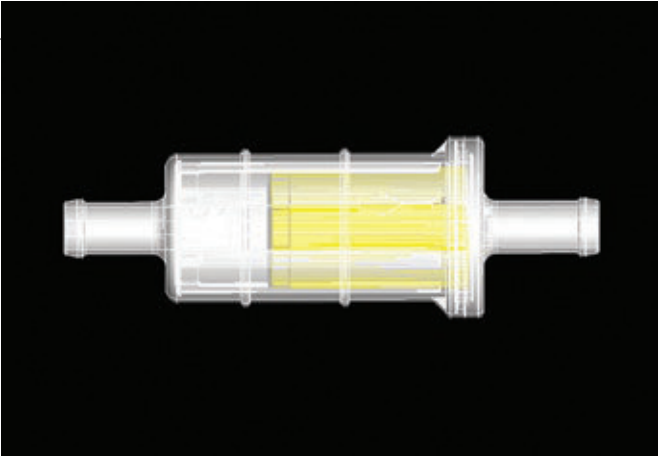
PAPER TYPE [ペーパータイプ]

Specification [仕様]: TH-4-200AT

・FLOW RATE—PRESSURE LOSS [流量—圧力損失]



- ・AIR TIGHTNESS [気密性] / 200 kPa MIN 以上
- ・MATERIAL OF FILTER [フィルタ材質] / PAPER
- ・FILTERED PARTICLE SIZE [ろ過粒径] / MIN.20 $\mu$
- ・FILTRATION AREA [ろ過面積] / 63cm<sup>2</sup>
- ・APPLICATION [使用] / GASOLINE [ガソリン]、AIR [空気]



TH-4-200AT



YM-256-200T



YM-240-200T



FJ-32-100CT



PFS-34P-100AT



PFS-74P-100AT



MC-3-500T



PFL-15P-100T



YM-214-100T



IN-LINE TYPE [インラインタイプ]

PA NET [PAメッシュ]

Specification [仕様]: TH-5-200T

・FLOW RATE [流量]

12000 ml/Hr MIN 以上 (FUEL HEIGHT= 150mm)

・AIR TIGHTNESS [気密性]

200 kPa MIN 以上

・FILTRATION MESH [フィルタメッシュ]

#250 [メッシュ]

・OPENING SIZE [開口径]

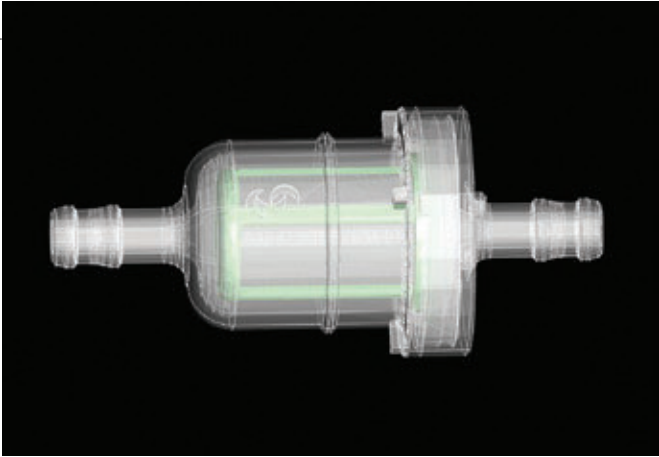
59 $\mu$

・FILTRATION AREA [ろ過面積]

611 mm<sup>2</sup>

・APPLICATION [使用]

GASOLINE [ガソリン]



TH-5-200T



YD-206-100T



PFM-13M-100T



HG-4-100AT



MC-9-500T



MC-8-500T



PFM-12M-100



KT-143-100



PFC-11S-200T



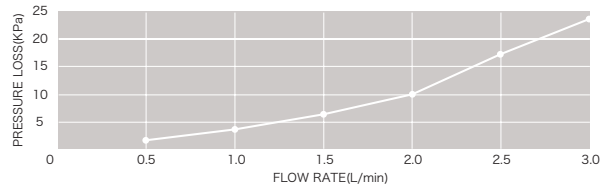


SPINNING ON TYPE [スピンオン]

SPINNING ON TYPE [スピンオン]

Specification [仕様] : MK-57-100E

・FLOW RATE—PRESSURE LOSS [流量—圧力損失]



- ・AIR TIGHTNESS [気密性] / 200kPa MIN 以上
- ・MATERIAL OF FILTER [フィルタ材質] / PAPER
- ・FILTERED PARTICLE SIZE [ろ過粒径] / MIN.15 $\mu$
- ・FILTRATION AREA [ろ過面積] / 3200cm<sup>2</sup>
- ・APPLICATION [使用] / LIGHT-OIL [軽油]

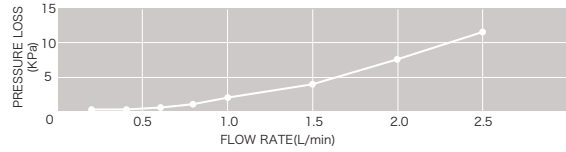


REMOVABLE TYPE [リムーバブルタイプ]

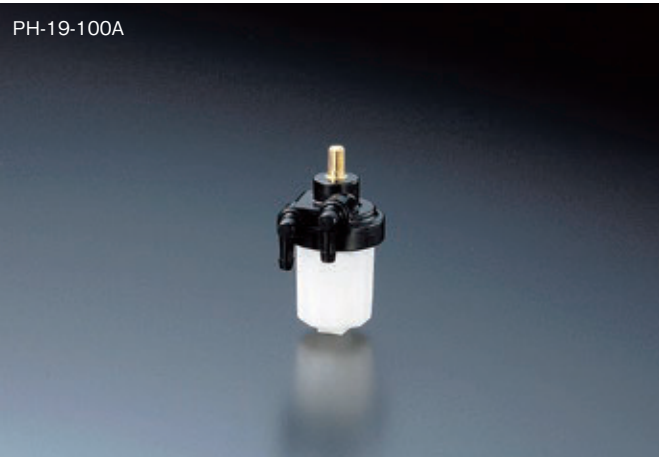
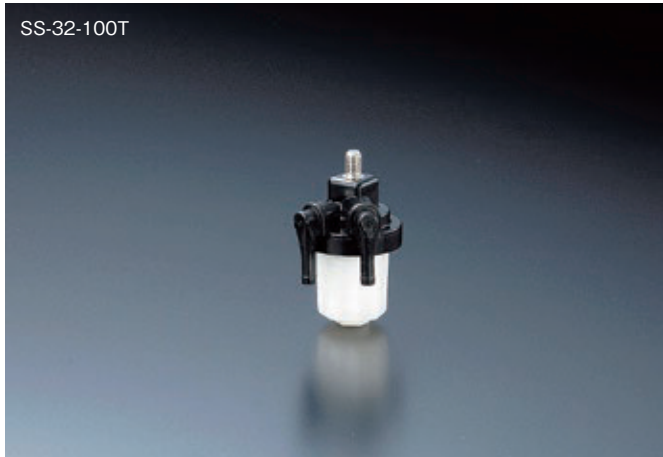
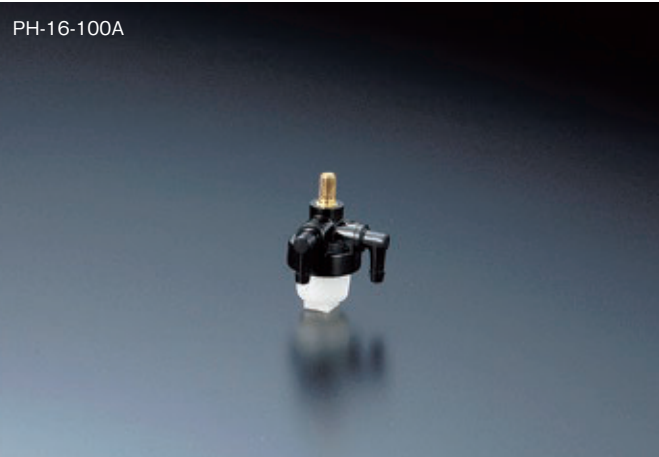
RESIN [樹脂製]

Specification [仕様] : DFS-1-100AT

・FLOW RATE—PRESSURE LOSS [流量—圧力損失]



- ・AIR TIGHTNESS [気密性] / 100kPa MIN 以上
- ・FILTERED PARTICLE SIZE [ろ過粒径] / MIN.20 $\mu$
- ・FILTRATION AREA [ろ過面積] / 250cm<sup>2</sup>
- ・APPLICATION [使用] / GASOLINE [ガソリン]、LIGHT-OIL [軽油]、KEROSENE [灯油]



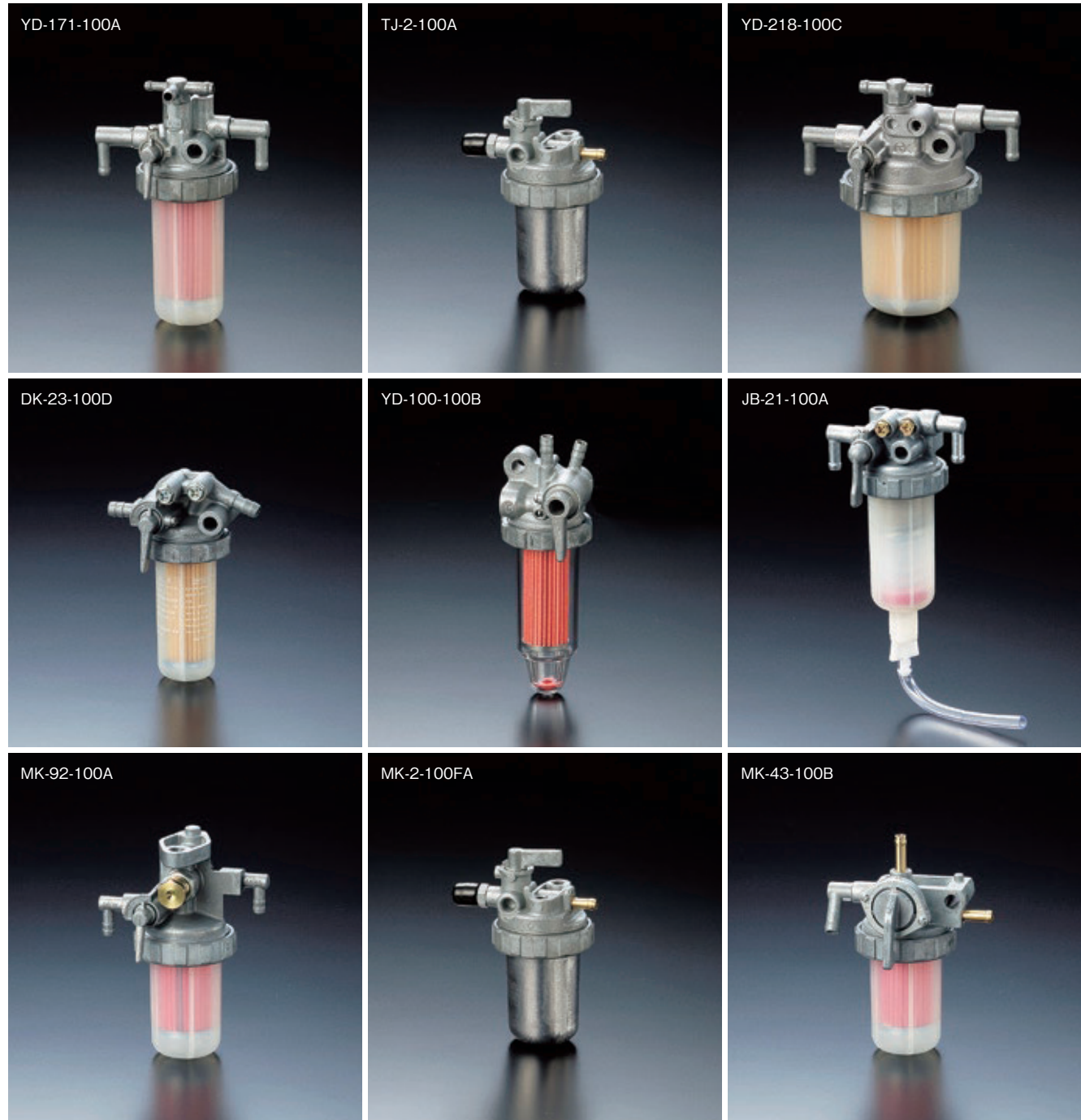
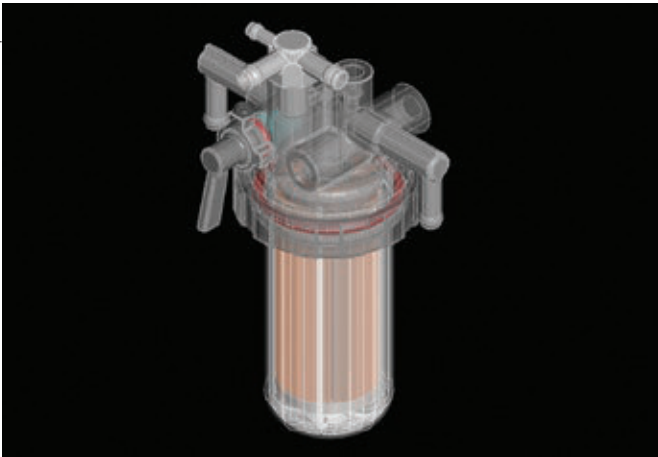


REMOVABLE TYPE [リムーバブルタイプ]

ZINC-DIECASTING BASE [亜鉛ダイカスト]

Specification [仕様] : YD-171-100A

- ・FLOW RATE—PRESSURE LOSS [流量—圧力損失]  
2L/min-8kPa MAX 以下
- ・AIR TIGHTNESS [気密性]  
100kPa MIN 以上
- ・MATERIAL OF FILTER [フィルタ材質]  
PAPER
- ・FILTERED PARTICLE SIZE [ろ過粒径]  
MIN.15μ
- ・FILTRATION AREA [ろ過面積]  
432cm<sup>2</sup>
- ・OPERATING PERFORMANCE [操作性]  
0.7N·m MAX 以下(2~3回作動後)
- ・APPLICATION [使用]  
LIGHT OIL [軽油]

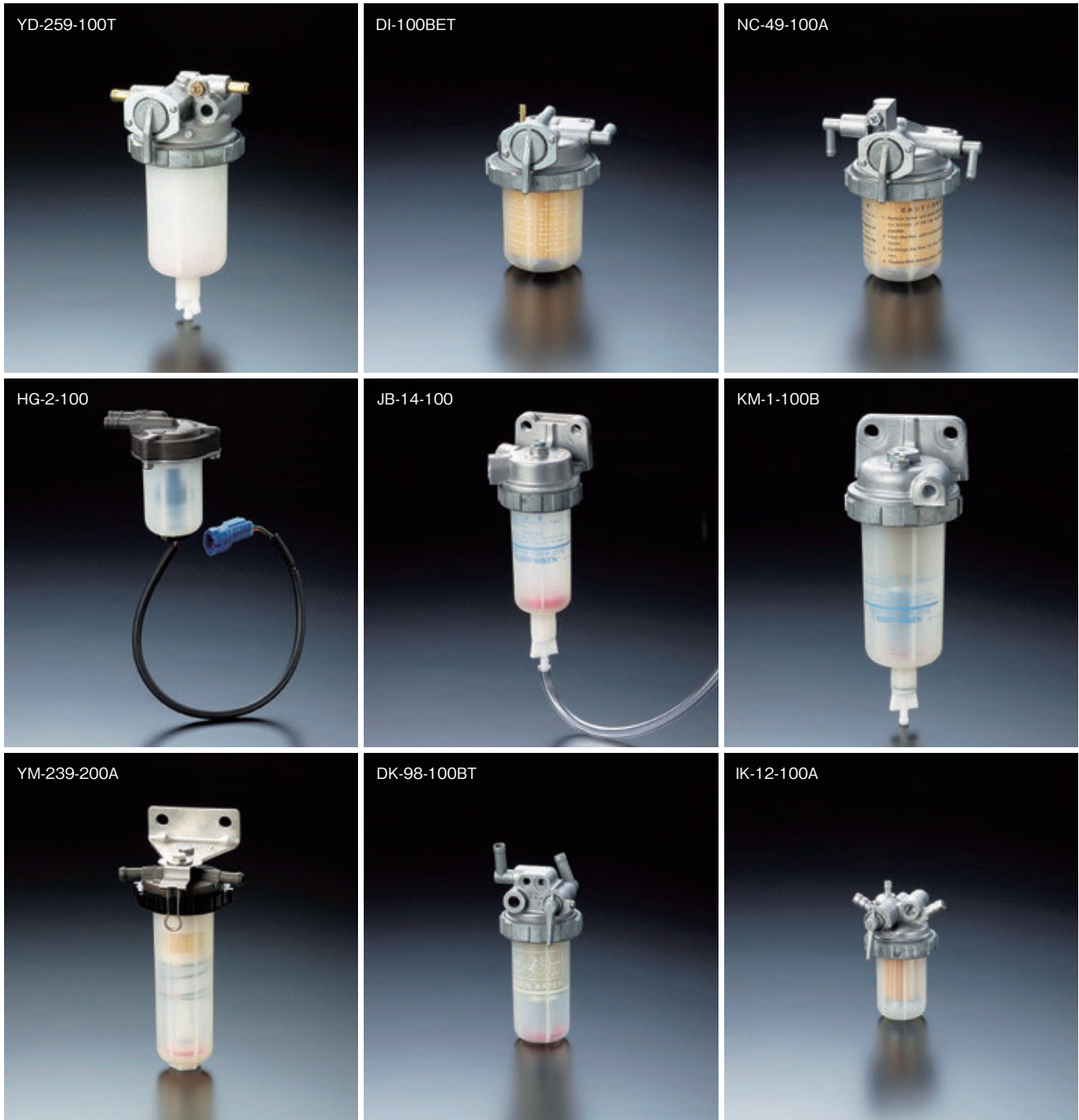
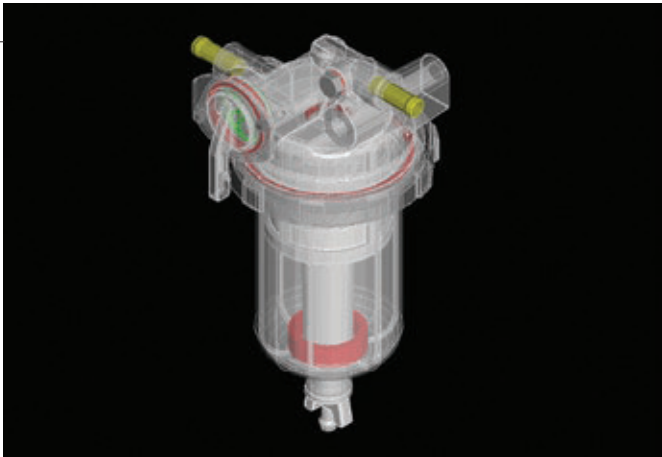


REMOVABLE TYPE [リムーバブルタイプ]

AL-DIECASTING BASE [アルミダイカスト]

Specification [仕様] : YD-259-100T

- ・AIR TIGHTNESS [気密性] / 100kPa MIN 以上
- ・MATERIAL OF FILTER [フィルタ材質] / PA66
- ・FILTRATION MESH [フィルタメッシュ] / #109 [メッシュ]
- ・OPENING SIZE [開口径] / 152μ
- ・FILTRATION AREA [ろ過面積] / 57cm<sup>2</sup>
- ・DRAIN SEPARATING CAPACITY [油水分離容量] / 150 ml
- ・OPERATING PERFORMANCE [操作性] / 0.7N·m MAX 以下(2~3回作動後)
- ・APPLICATION [使用] / LIGHT OIL [軽油]



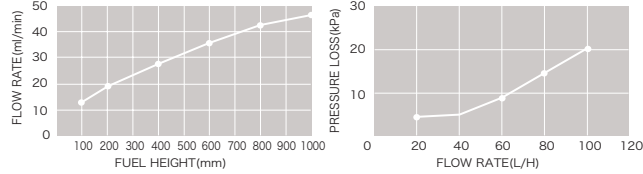


FOR HEAT SUPPLIES [給湯器用]

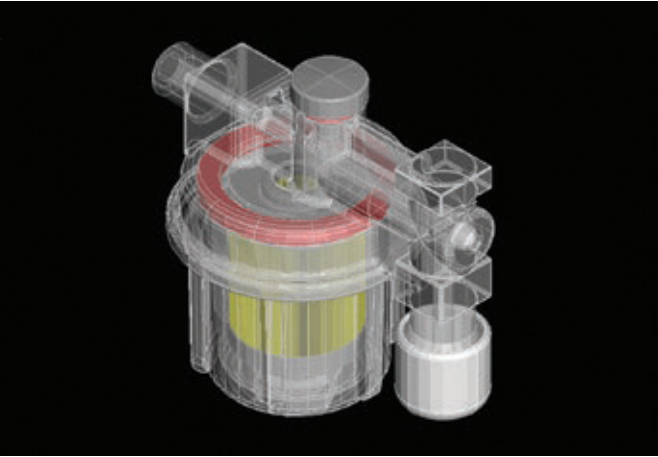
FOR HEAT SUPPLIES [給湯器用]

Specification [仕様] : CDM-16K-110AV

・FLOW RATE [流量]



- ・AIR TIGHTNESS [気密性] / 200 kPa MIN 以上
- ・MATERIAL OF FILTER [フィルタ材質] / PAPER
- ・FILTERED PARTICLE SIZE [ろ過粒径] / MIN.20 $\mu$
- ・FILTRATION AREA [ろ過面積] / 63cm<sup>2</sup>
- ・APPLICATION [使用] / KEROSENE [灯油]



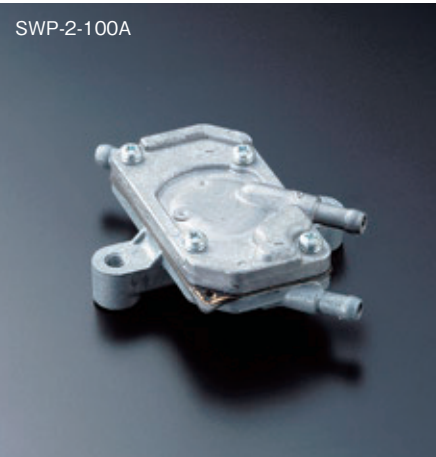
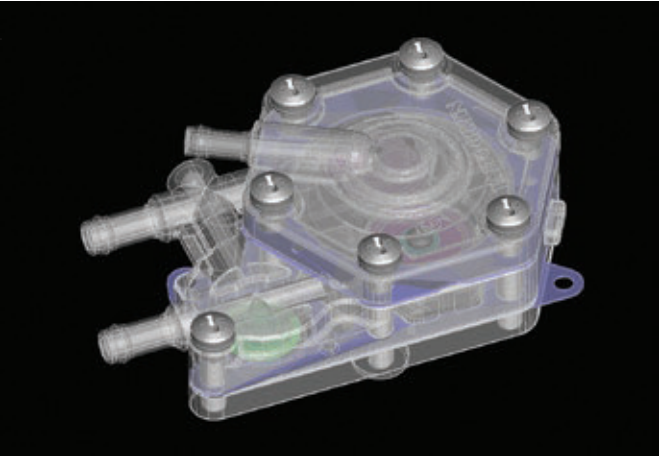
PUMP [ポンプ]

FUEL PUMP [燃料ポンプ]

Specification [仕様] : FJP-9-100T

・FLOW RATE [流量]

- FLOW RATE : 45L/Hr MIN 以上
  - CONDITION :
  - PULSE PERIOD : 7000cpm [パルス周期]
  - PULSE RANGE : -12kPa~+12kPa [パルス幅]
  - SUCTION HEAD : 0 mm [吸入ヘッド]
  - OUTLET HEAD : +300mm [吐出ヘッド]
  - OUTLET NEEDLE :  $\phi$ 2.8 [出口絞り]
- ・AIR-TIGHTNESS [気密性]
- 50 kPa MIN 以上
- ・APPLICATION [使用]
- REGULAR GASOLINE [レギュラーガソリン]、
  - ANTIKNOCK GASOLINE [有鉛ガソリン]、
  - E20-BLENDED GASOLINE [エタノール20%混合ガソリン]



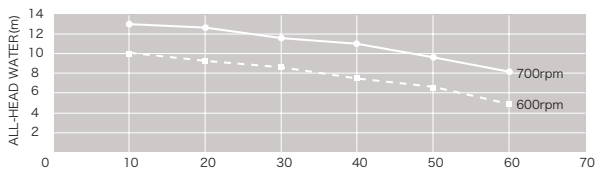


PUMP [ポンプ]

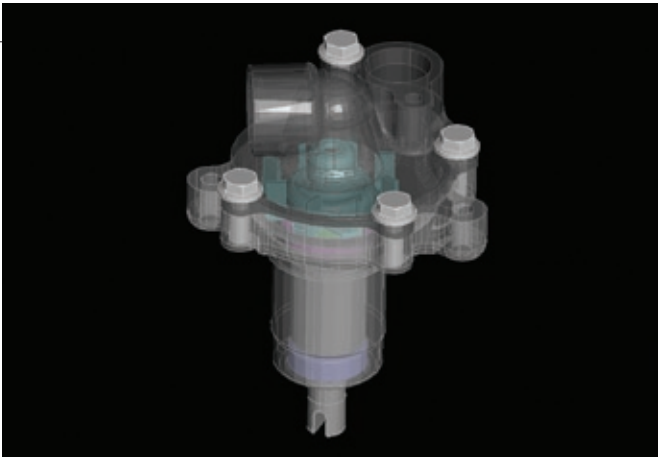
WATER PUMP [冷却水ポンプ]

Specification [仕様] : KWP-9-100C

・FLOW RATE [流量]



- ・AIR-TIGHTNESS [気密性] / 200 kPa MIN 以上
- ・WORKING RPM [使用回転域] / 650~7000 rpm [回転数]
- ・APPLICATION [使用] / COOLING FLUID [冷却水]

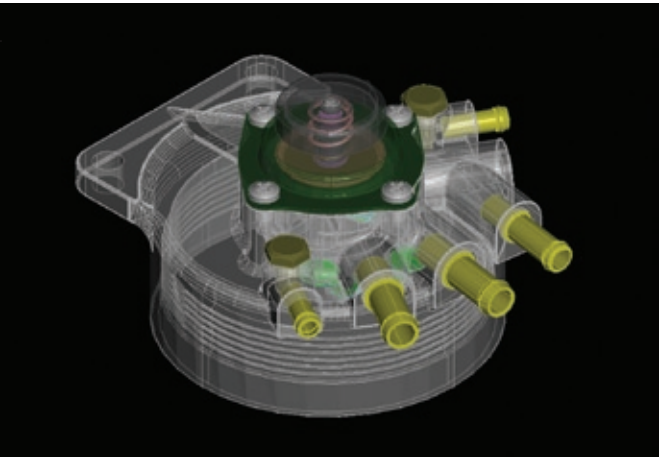


PUMP [ポンプ]

HAND-OPERATED PUMP [プライマリポンプ]

Specification [仕様] : WA-3-50

- ・FLOW RATE BY HAND-PUMPING [ポンプ流量]  
15ml±5ml/STROKE [1ストローク当り]
- ・AIR-TIGHTNESS [気密性]  
200 kPa MIN 以上
- ・APPLICATION [使用]  
LIGHT OIL



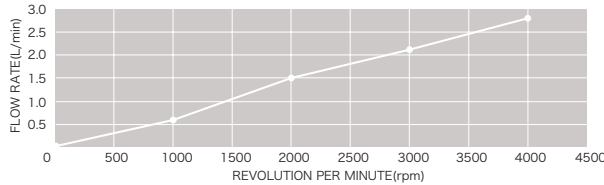


OIL PUMP [潤滑油ポンプ]

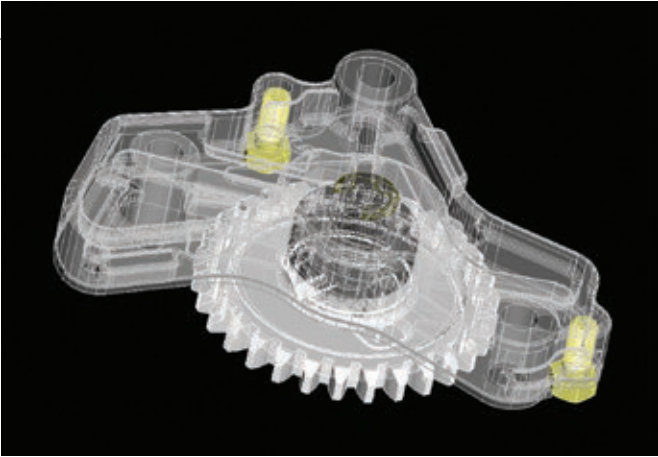
OIL PUMP [潤滑油ポンプ]

Specification [仕様] : THV-1-200AT

・FLOW RATE [流量]



- ・DRIVE [駆動] / PLASTIC GEAR [プラスチックギヤ]  
MODULE 1.75 [モジュール]  
NUMBER OF TEETH [歯数]
- ・APPLICATION [使用] / ENGINE-OIL 10W-30 [エンジンオイル]

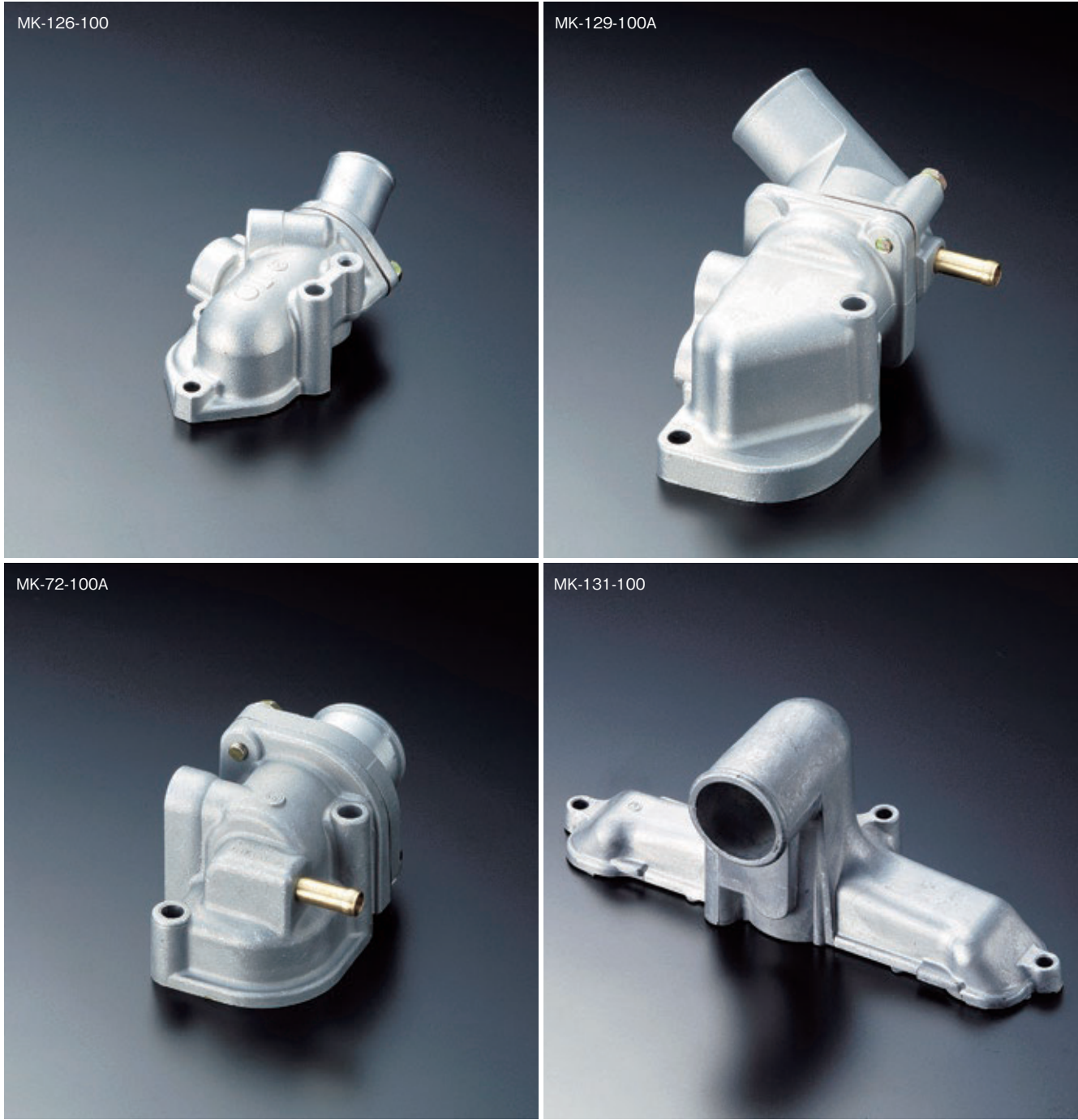


THERMOSTAT ASSY [サーモスタットアッシ]

THERMOSTAT ASSY [サーモスタットアッシ]

Specification [仕様] : MK-126-100

- ・VALVE-OPEN STARTING TEMPERATURE [開弁温度]  
82℃
- ・VALVE-FULL OPEN TEMPERATURE [全開温度]  
95℃
- ・AIR TIGHTNESS [気密性]  
100kPa MIN 以上
- ・VALVE DIAMETER [バルブ径]  
φ20mm



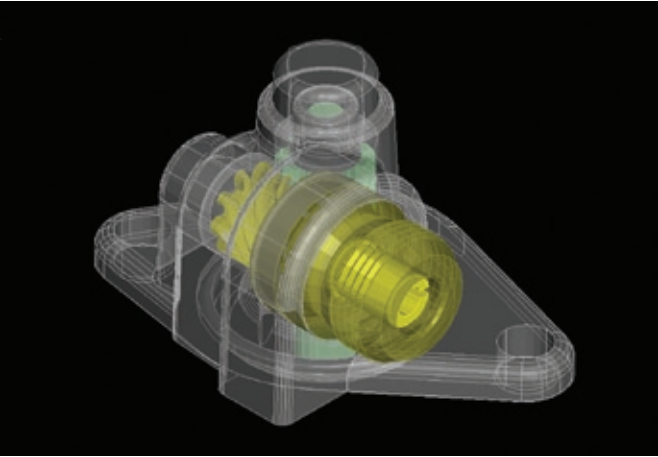


# GEAR UNIT [ギヤユニット]

## GEAR UNIT [ギヤユニット]

Specification [仕様] : MK-30-100

- ・GEAR RATE [ギヤ比]  
1:1
- ・USABLE NUMBER OF REVOLUTION [使用回転数]  
2000 rpm MAX 以下
- ・DIRECTION OF ROTATION [回転方向]  
IN SIDE : CLOCKWISE [時計回り]  
OUT SIDE : CLOCKWISE [時計回り]
- ・MAXIMUM TRANSFER TORQUE  
0.25 N・m MAX 以下



# HOSE UNIT [ホースユニット]

## HOSE UNIT [ホースユニット]

Specification [仕様] : SS-43-100

- ・FLOW RATE [流量]  
10 L/min MIN 以上 (WATER PRESSURE = 300kPa)
- ・AIR TIGHTNESS [気密性]  
600 kPa MIN 以上
- ・LOAD AT VALVE OPENING [開弁荷重]  
70N MAX 以下
- ・DRAWING LOAD OF HOSE  
400N MIN 以上
- ・DRAWING ROAD OF CONNECTOR  
400N MIN 以上
- ・APPLICATION [使用]  
TAP WATER [水道水]  
SEAWATER [海水]

