

Catalog 2024



SONYC DIES
SMART SOLUTIONS



SOLUTIONS FOR POWER CABLES

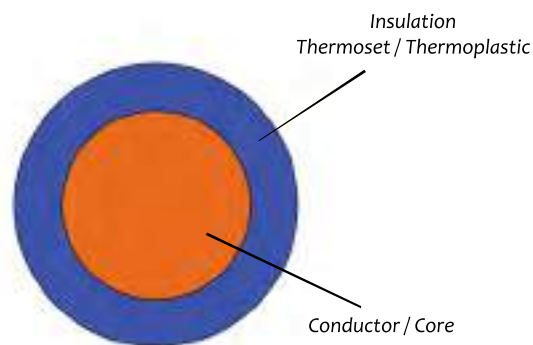


SOLUTIONS FOR POWER CABLES

Description

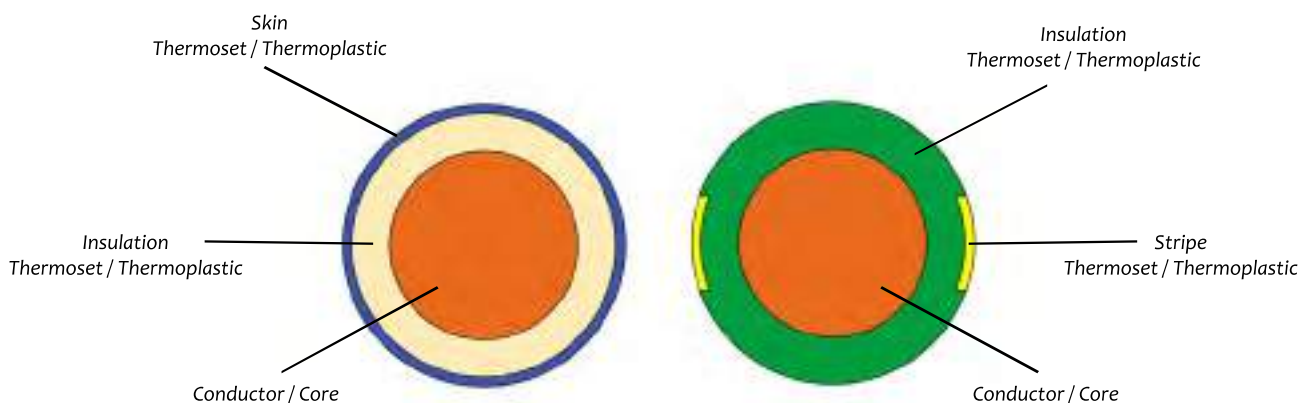
Single Layer:

Solution developed for the manufacturing of low-voltage wires and cables, using only one extruder, ideal for companies seeking to produce with low setup time and simple operation.



Double Layer (Skin ou Stripe)

Solution developed for those seeking raw material savings, along with low setup time. The skin and stripe cable solutions are made through two extruders, one main and one auxiliary, allowing the cable core to be manufactured without pigment, and a thin cover of up to 0.200 mm thickness.

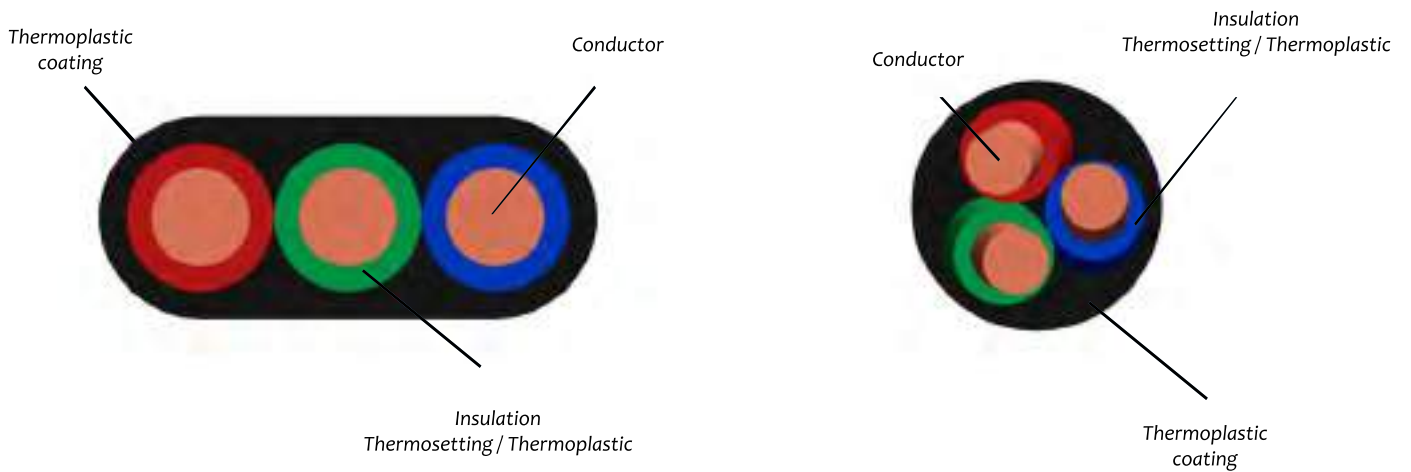


For these types of needs, the SD Head Line was created, with 5 heads to specifically meet each type of production, from 0.20mm² cables up to 800mm².

Flat / Parallel Cables

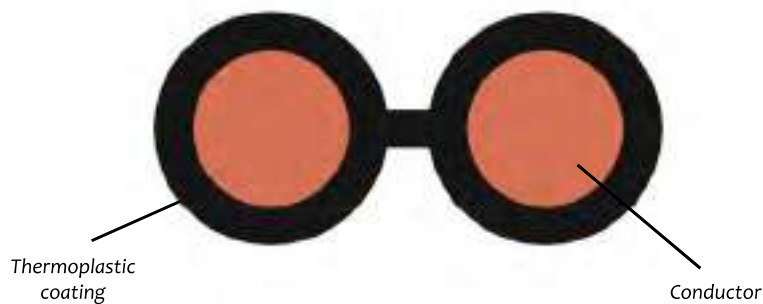
Flat or Circular PP Cable

The PP cables are so named because they have 2 layers of PVC, one inside the other, which ensures extra insulation for greater safety. They are cables formed by copper conductors and have two or more ends in just one. In general, any multipolar cable with double insulation is called a PP Cable.



Parallel

The parallel cable is suitable for internal and exposed installations, such as connections for small household appliances, lighting fixtures, portable devices, and electrical extensions. As the name suggests, it accommodates internal strands in a parallel manner, meaning each one is insulated with a different layer.



SOLUTIONS FOR PHOTOVOLTAIC CABLES



+SD+
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SMART SOLUTIONS

**If QUALITY is demanded,
Sonyc Dies are required.**



SD10s

FEATURES

Constructed with high-performance steel, it prevents premature wear and corrosion. High-load tubular resistors are used, increasing heating efficiency.

Low **setup** time, using a fixed center and easy tooling assembly and disassembly, enhancing line productivity.

There are no material stop points or spacing between assemblies, eliminating lumps of burnt material. With the constant distribution system, we ensure high-quality plasticization. The Plug and Play system guarantees product centering above 95% concentricity without the need for adjustment, ensuring uniform and centered material flow once assembled.

As it is a fixed center head, cleaning at the indicated times is important to ensure centering. All cleaning items are included in the kit.

Equipped with hybrid distributors, it has the versatility to handle materials such as PVC, PE, PA, LSZH, XLPE, HEPR, among other compounds.

Capacity

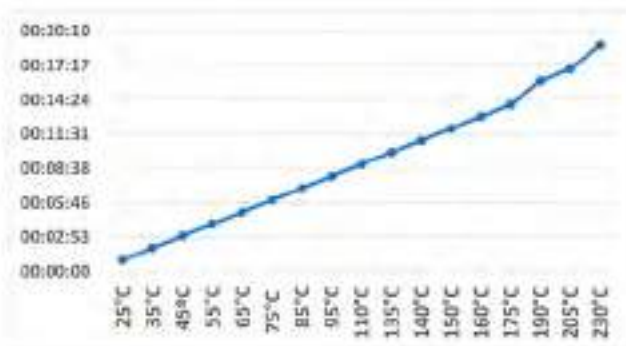
- Ø Minimum input diameter: 0.40 mm
- Ø Maximum input diameter: 5.00 mm
- Ø Maximum output diameter: 10mm

Heating system

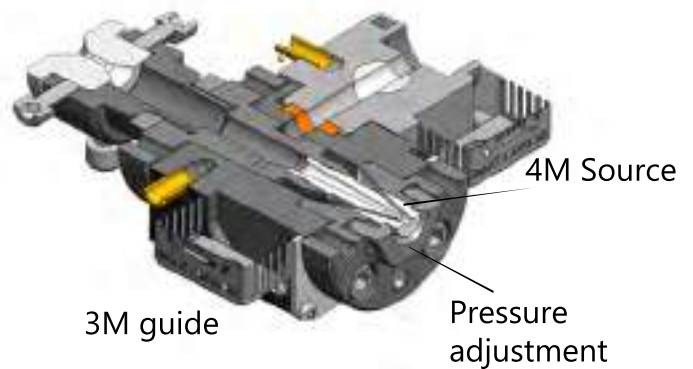
Cartridge heater Ø9.95x60 (4X)

Power 560 Watts

Voltage 240 Volts (standard)



Lunette



Vein



Plan



Parallel

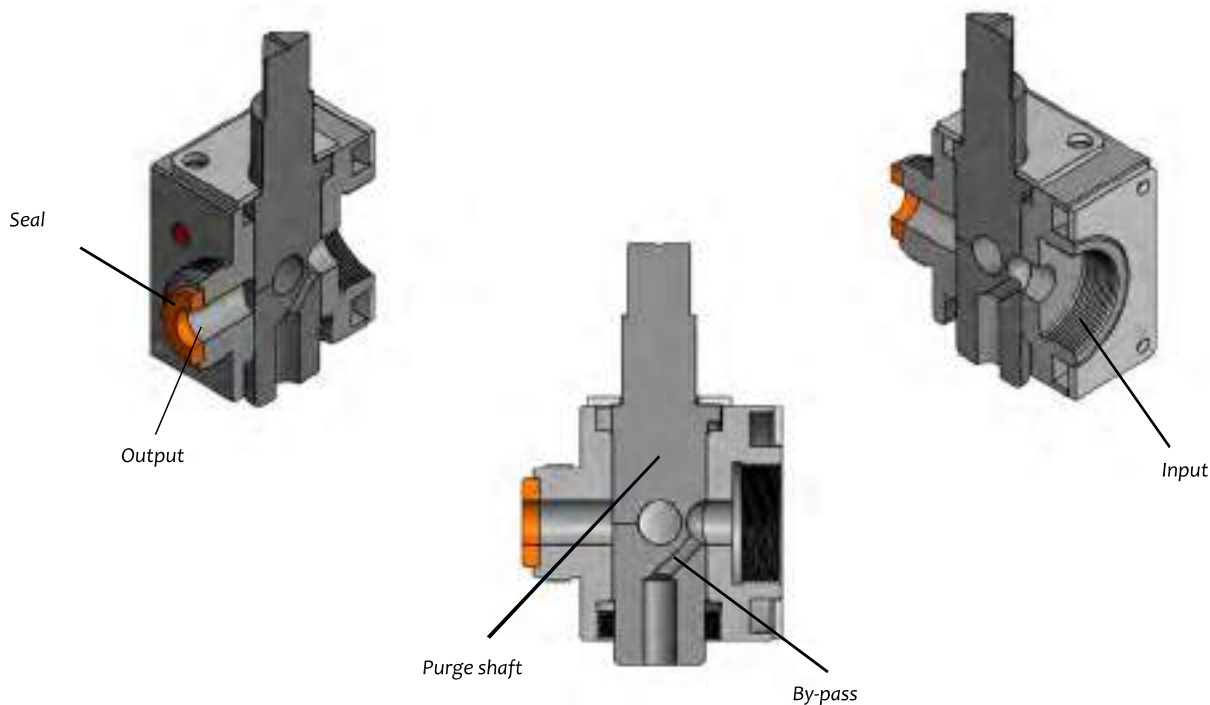


PP



BY-PASS VALVE

Designed to increase line efficiency, purge valves are an extremely important accessory for companies looking to standardize and save time and raw materials. These valves are manufactured with top-quality high-performance steel with a super-cleans surface treatment, allowing for easy cleaning and maintenance. With the technology applied, Sonyc Die do Brasil's valves do not jam, providing more safety and reliability in operation. The purge valves come with a threaded puller for easy disassembly and a key for valve opening and closing. They can be used for all compounds such as PVC / PE / PA / LSZH / XLPE / HEPR...



- **Reduction of scrap**
- **Decrease in setup time**
- **Raw material savings**
- **Easy cleaning**
- **Simplified maintenance**

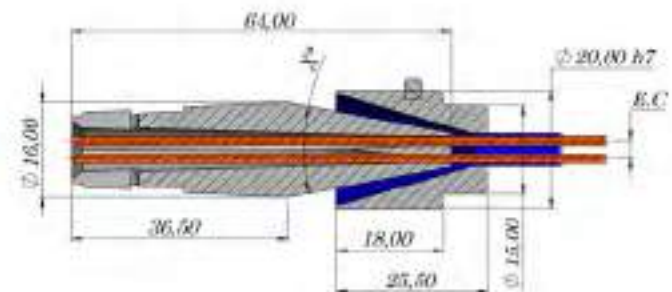
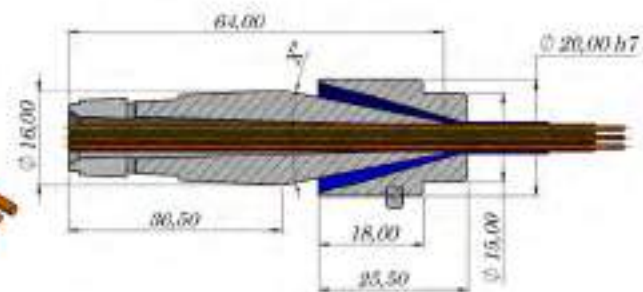
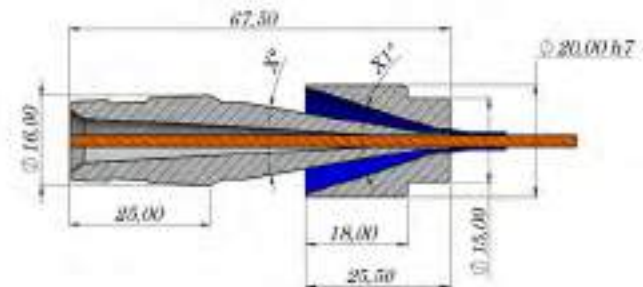
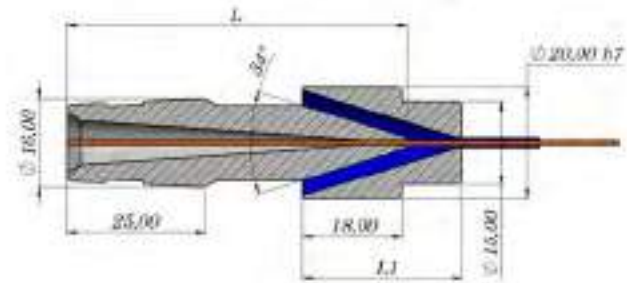
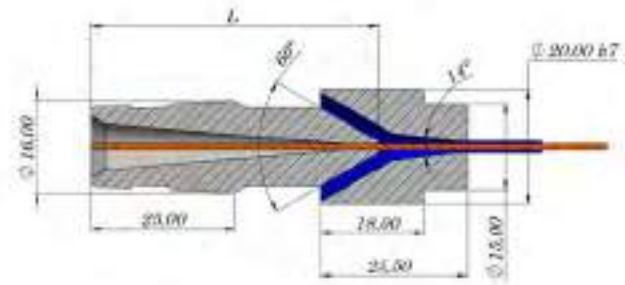


3M tooling

Cod: G.3M.60.AC

(AC) Steel / (W) Solid carbide / (IW) Carbide insert / (ID) Diamond insert
 (60) Pressure / (34) Semi-pressure / (T) Tube / (PL) Plane / (PR) Parallel
 Model
 (G) Guide / (M) Source

Pressure 60°	Guide	<ul style="list-style-type: none"> • Steel with non-stick treatment • Steel with carbide insert
	Source	<ul style="list-style-type: none"> • Steel with non-stick treatment • Steel with carbide insert • Solid carbide
Semi-pressure 34°	Guide	<ul style="list-style-type: none"> • Steel with non-stick treatment • Steel with carbide insert
	Source	<ul style="list-style-type: none"> • Steel with non-stick treatment • Steel with carbide insert • Solid carbide
Tubular (T)	Guide	<ul style="list-style-type: none"> • Steel with non-stick treatment • Steel with carbide insert
	Source	<ul style="list-style-type: none"> • Steel with non-stick treatment • Steel with carbide insert • Solid carbide
Plane (PL)	Guide	<ul style="list-style-type: none"> • Steel with non-stick treatment • Steel with carbide insert
	Source	<ul style="list-style-type: none"> • Steel with non-stick treatment • Steel with carbide insert • Solid carbide
Parallel (PR)	Guide	<ul style="list-style-type: none"> • Steel with non-stick treatment • Steel with carbide insert
	Source	<ul style="list-style-type: none"> • Steel with non-stick treatment • Steel with carbide insert • Solid carbide



+ PRECISION
+ REPEATABILITY
+ TRACEABILITY

SD LINE DOUBLE LAYER

Efficient and versatile
The fastest setup in the market

Models

SD10EX
SD20
SD30
SD50
SD80

Products

Automotive
Energy
LAN Cat. 6 - 7 - 8
Coaxial



SOLUTIONS FOR AUTOMOTIVE CABLES

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SD Line (Double Layer)

Double Layer (Skin ou Stripe)

Solution developed for those seeking raw material savings, along with low **setup** time. Solutions for skin and strip cables are made through two extruders, a main one and an auxiliary one, allowing the manufacture of the cable core without pigment, and a thin cover of up to 0.200 mm thick.

For these types of needs, the SD Heads Line was created, with 5 heads to specifically meet each type of production, from 0.20mm² cables up to 800mm².

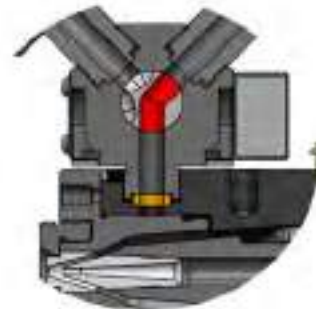
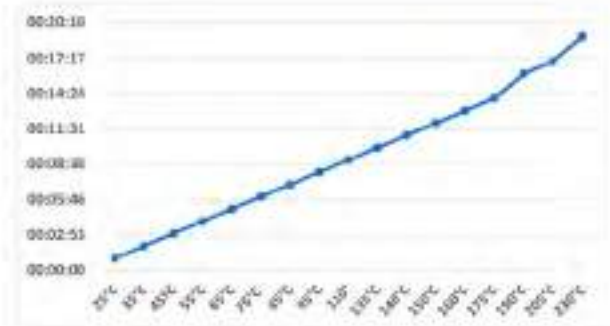
SD10ex

Capacity

- Ø Minimum input diameter: 0.40 mm
- Ø Maximum input diameter: 12 mm
- Ø Maximum output diameter: 20 mm

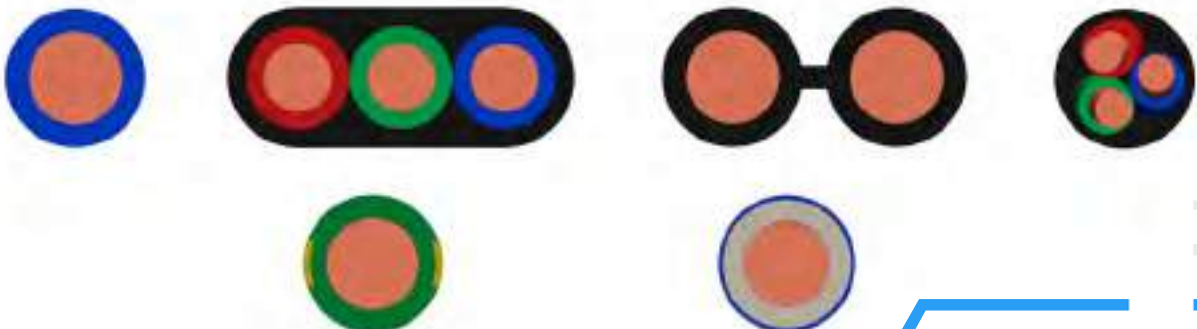
Heating system

- Cartridge heater 9.90x120 (4x)
- Power 1280 watts
- Voltage 240 Volts (Standard)



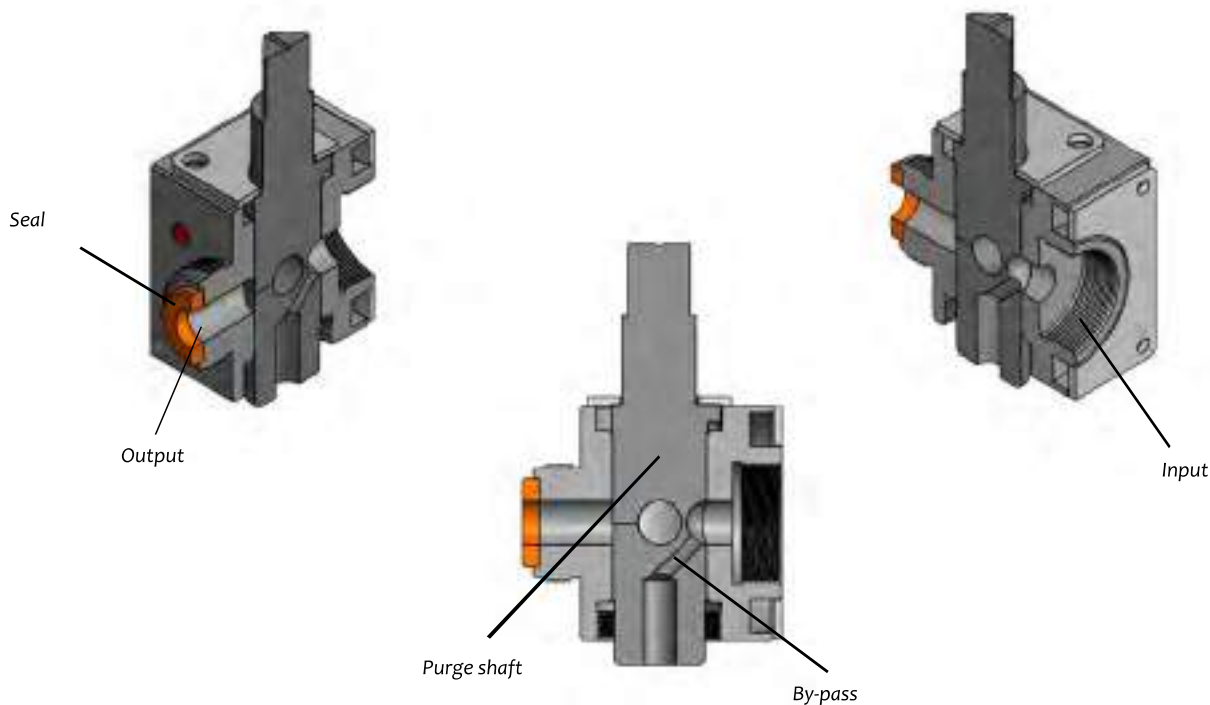
Optional

- By-pass valve
- Dual By-pass Valve (Quick change)
- Vacuum input
- Pre-centering lunette



BY-PASS VALVE

Designed to increase line efficiency, purge valves are an extremely important accessory for companies looking to standardize and save time and raw materials. These valves are manufactured with top-quality high-performance steel with a super-cleans surface treatment, allowing for easy cleaning and maintenance. With the technology applied, Sonyc Die do Brasil's valves do not jam, providing more safety and reliability in operation. The purge valves come with a threaded puller for easy disassembly and a key for valve opening and closing. They can be used for all compounds such as PVC / PE / PA / LSZH / XLPE / HEPR...



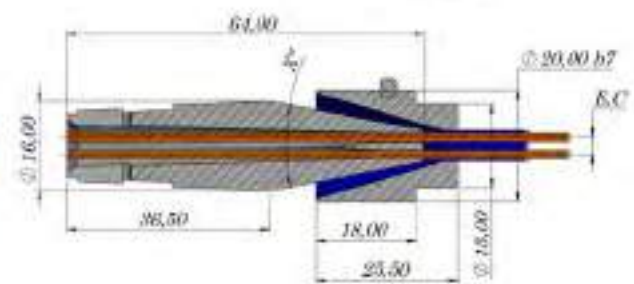
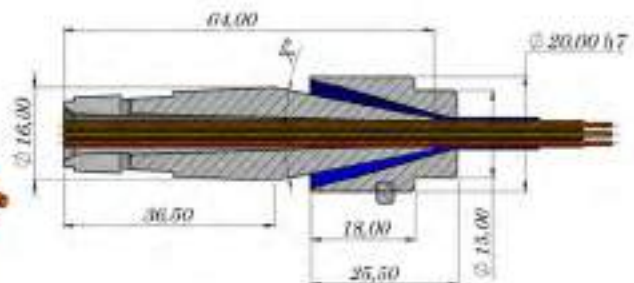
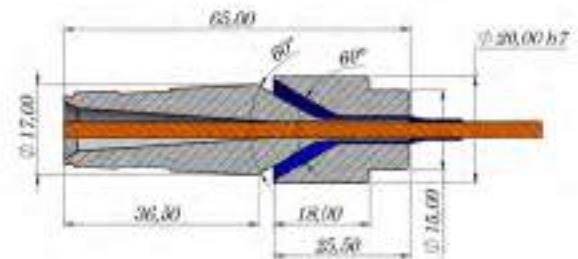
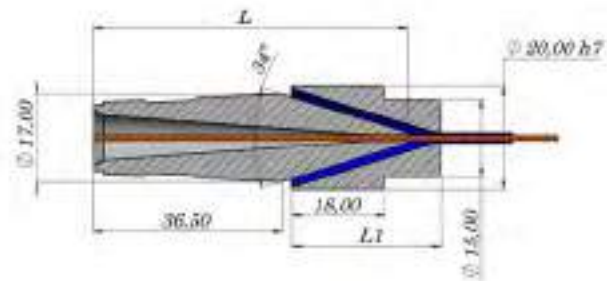
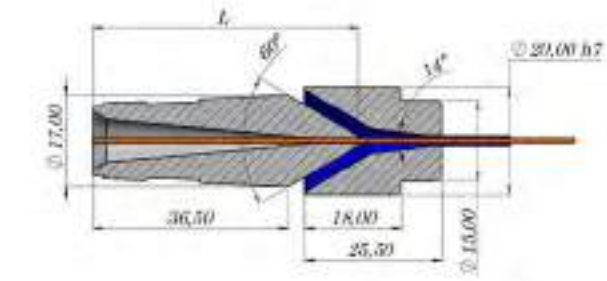
- **Reduction of scrap**
- **Decrease in setup time**
- **Raw material savings**
- **Easy cleaning**
- **Simplified maintenance**



4M tooling

Cod: G.4M.60.AC
 (AC) Steel / (W) Entirely made of carbide / (IW) Carbide insert / (ID) Diamond insert
 (60) Pressure / (34) Semi-pressure / (T) Tube / (PL) Plane / (PR) Parallel
 Model
 (G) Guide / (M) Source

Pressure 60°	Guide	<ul style="list-style-type: none"> • Steel with non-stick treatment • Steel with carbide insert • Steel with diamond insert
	Source	<ul style="list-style-type: none"> • Steel with non-stick treatment • Steel with carbide insert • Entirely made of carbide
Semi-pressure 34°	Guide	<ul style="list-style-type: none"> • Steel with non-stick treatment • Steel with carbide insert
	Source	<ul style="list-style-type: none"> • Steel with non-stick treatment • Steel with carbide insert • Entirely made of carbide
Tubular (T)	Guide	<ul style="list-style-type: none"> • Steel with non-stick treatment • Steel with carbide insert
	Source	<ul style="list-style-type: none"> • Steel with non-stick treatment • Steel with carbide insert • Entirely made of carbide
Plane (PL)	Guide	<ul style="list-style-type: none"> • Steel with non-stick treatment • Steel with carbide insert
	Source	<ul style="list-style-type: none"> • Steel with non-stick treatment • Steel with carbide insert • Entirely made of carbide
Parallel (PR)	Guide	<ul style="list-style-type: none"> • Steel with non-stick treatment • Steel with carbide insert
	Source	<ul style="list-style-type: none"> • Steel with non-stick treatment • Steel with carbide insert • Entirely made of carbide



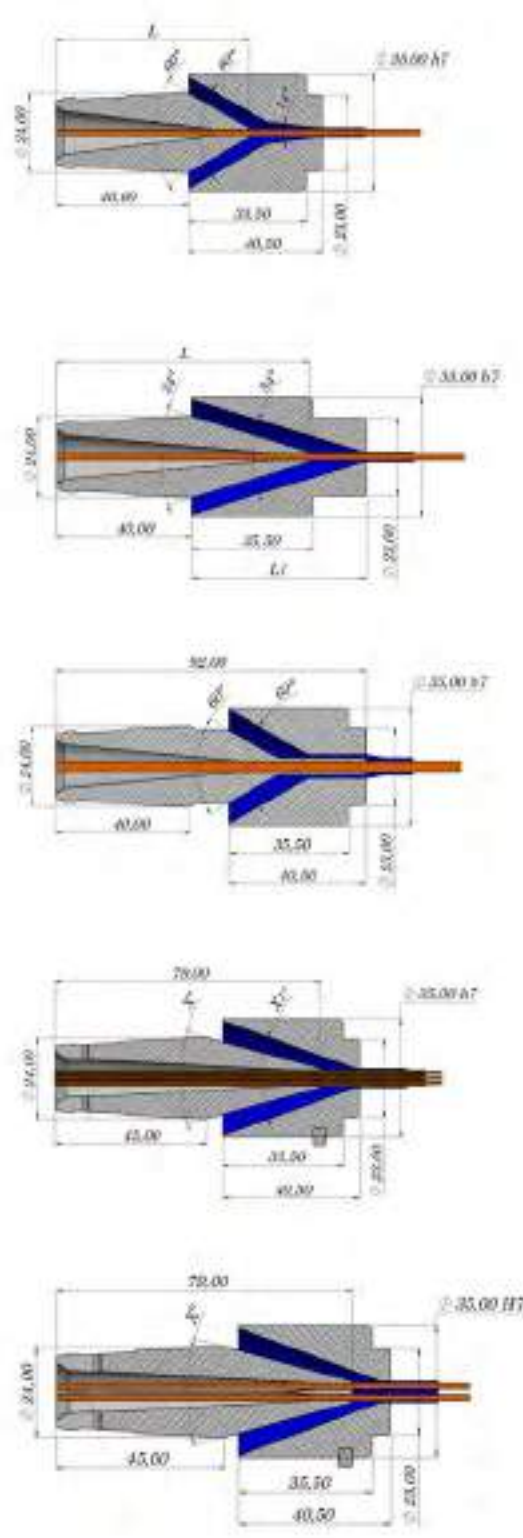
- + PRECISION**
- + REPEATABILITY**
- + TRACEABILITY**

G5M / M6M tooling

Cod: G.5M.60.AC

(AC) Steel / (W) Entirely made of carbide / (IW) Carbide insert / (ID) Diamond insert
 (60) Pressure / (34) Semi-pressure / (T) Tubular / (PL) Plane / (PR) Parallel
 Model
 (G) Guide / (M) Source

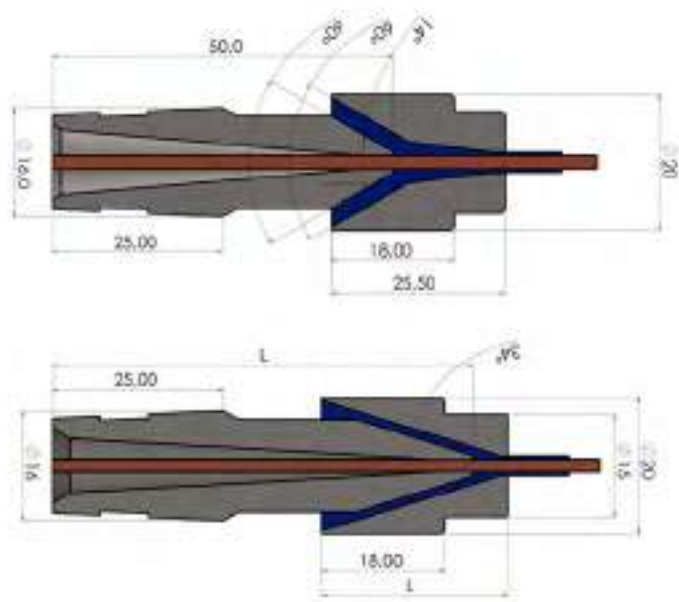
Pressure 60°	Guide	<ul style="list-style-type: none"> • Steel with non-stick treatment • Steel with carbide insert • Steel with diamond insert
	Source	<ul style="list-style-type: none"> • Steel with non-stick treatment • Steel with carbide insert
Semi-pressure 34°	Guide	<ul style="list-style-type: none"> • Steel with non-stick treatment • Steel with carbide insert
	Source	<ul style="list-style-type: none"> • Steel with non-stick treatment • Steel with carbide insert
Tubular (T)	Guide	<ul style="list-style-type: none"> • Steel with non-stick treatment • Steel with carbide insert
	Source	<ul style="list-style-type: none"> • Steel with non-stick treatment • Steel with carbide insert
Plane (PL)	Guide	<ul style="list-style-type: none"> • Steel with non-stick treatment • Steel with carbide insert
	Source	<ul style="list-style-type: none"> • Steel with non-stick treatment • Steel with carbide insert
Parallel (PR)	Guide	<ul style="list-style-type: none"> • Steel with non-stick treatment • Steel with carbide insert
	Source	<ul style="list-style-type: none"> • Steel with non-stick treatment • Steel with carbide insert



+ PRECISION
+ REPEATABILITY
+ TRACEABILITY

SD10ex tooling

Parallel	Plane		Tubular		Semi-Pressure		Pressure	
	Source	Guide	Source	Guide	Source	Guide	Source	Guide
Source								
Guide								
Source							<ul style="list-style-type: none"> • Steel with non-stick treatment • Steel with carbide insert • Solid carbide 	<ul style="list-style-type: none"> • Steel with non-stick treatment • Steel with carbide insert
Guide							<ul style="list-style-type: none"> • Steel with non-stick treatment • Steel with carbide insert 	<ul style="list-style-type: none"> • Steel with non-stick treatment • Steel with carbide insert



SOLUTIONS FOR COMMUNICATION CABLES



+SD+
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SMART SOLUTIONS

SD Line (Double Layer)

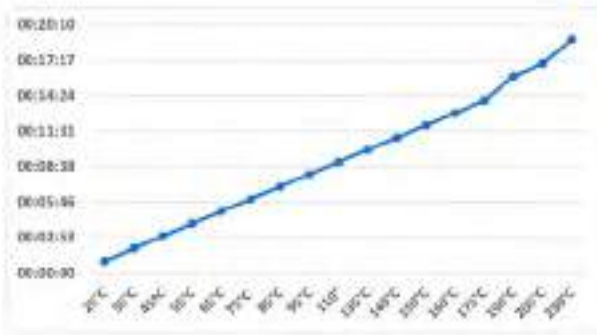
SD20

Capacity

- Ø Minimum input diameter 0.40 mm
- Ø Maximum input diameter 12 mm
- Ø Maximum output diameter 20 mm

Heating system

- Cartridge resistance 9.45x160mm (4x)
- Power 1800 watts
- Voltage 240 Volts (Standard)

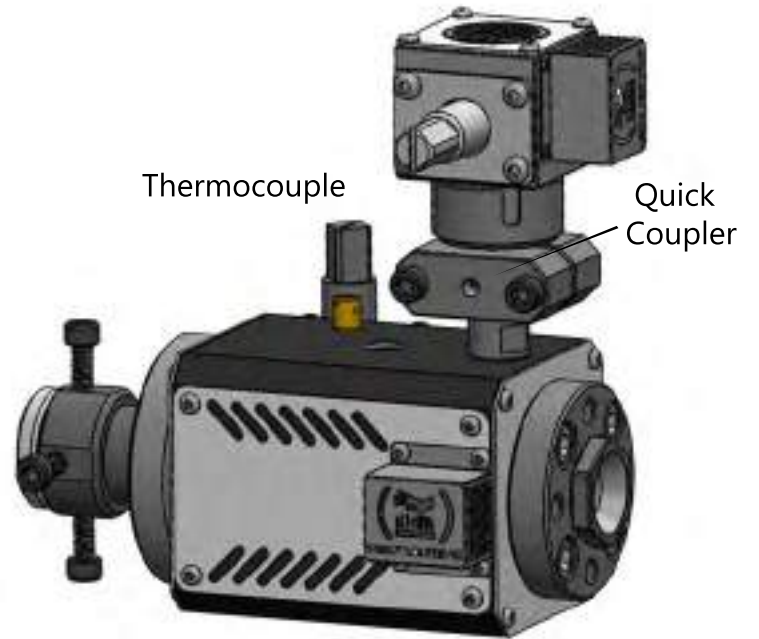


Optional

- By-pass valve
- Vacuum input
- Pre-centering lunette
- Quick color change option

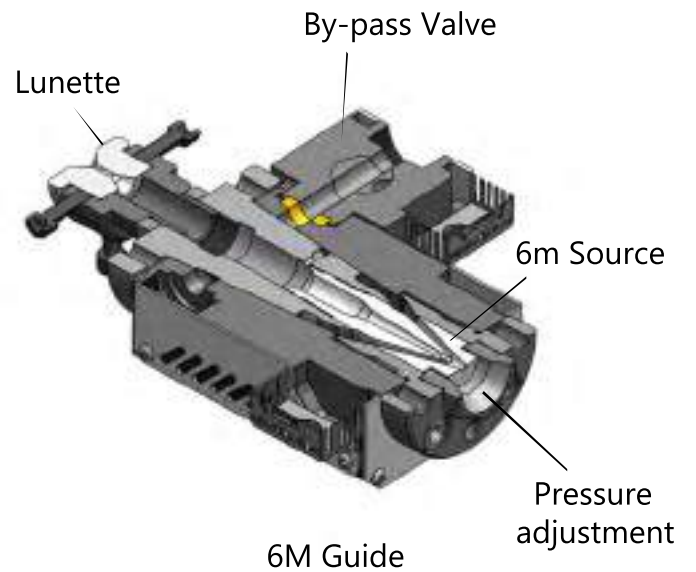


By-pass Valve



Thermocouple

Quick Coupler



By-pass Valve

Lunette

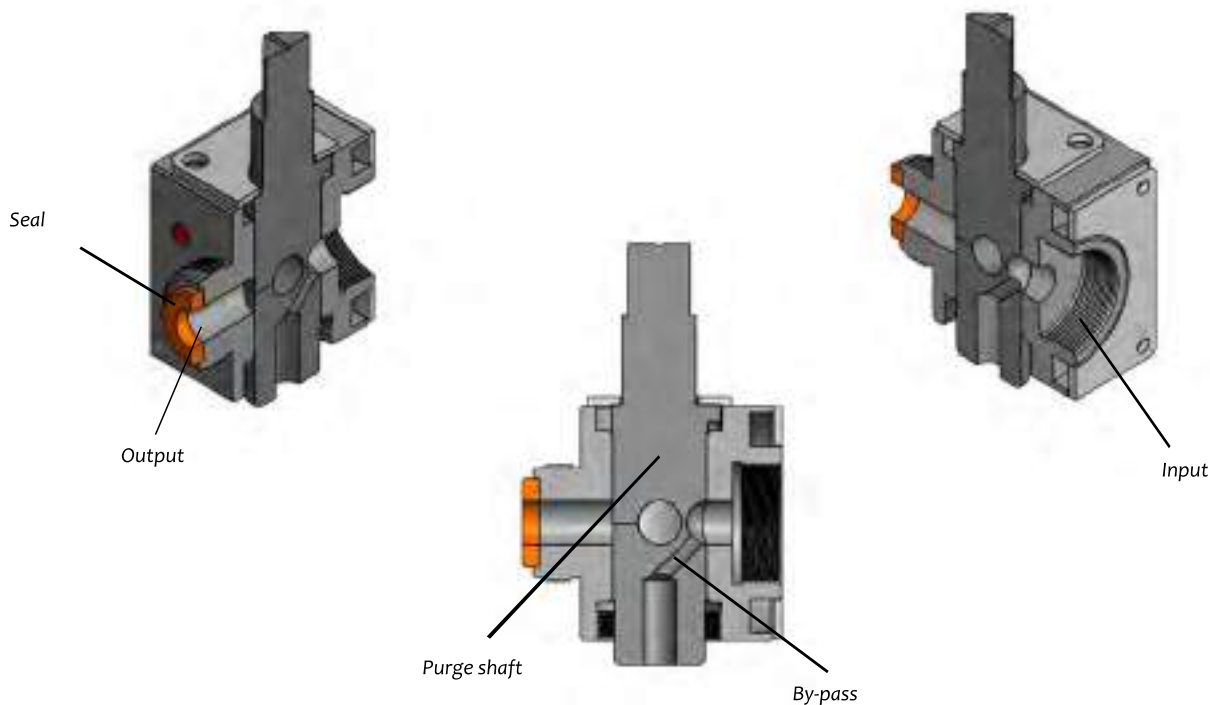
6m Source

Pressure adjustment

6M Guide

BY-PASS VALVE

Designed to increase line efficiency, purge valves are an extremely important accessory for companies looking to standardize and save time and raw materials. These valves are manufactured with top-quality high-performance steel with a super-cleans surface treatment, allowing for easy cleaning and maintenance. With the technology applied, Sonyc Die do Brasil's valves do not jam, providing more safety and reliability in operation. The purge valves come with a threaded puller for easy disassembly and a key for valve opening and closing. They can be used for all compounds such as PVC / PE / PA / LSZH / XLPE / HEPR...



- **Reduction of scrap**
- **Decrease in setup time**
- **Raw material savings**
- **Easy cleaning**
- **Simplified maintenance**

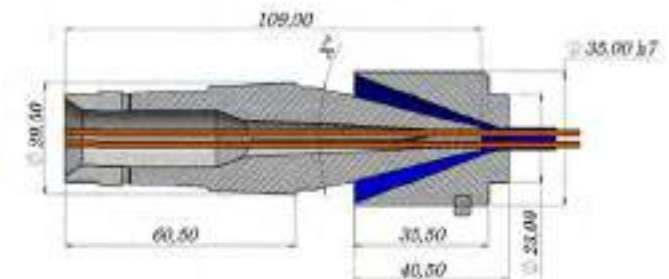
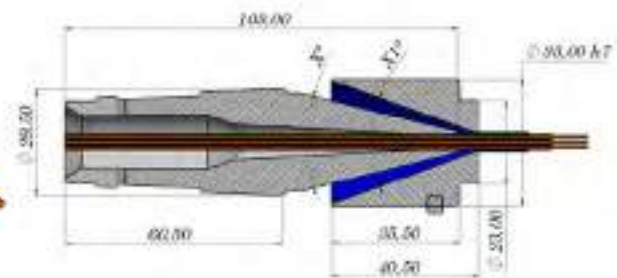
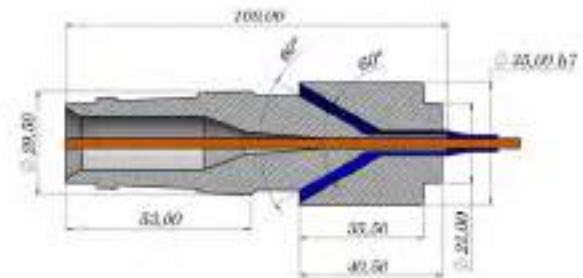
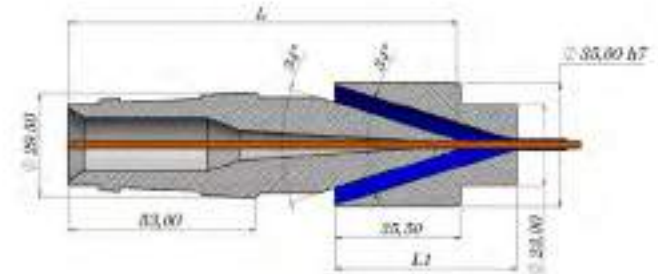
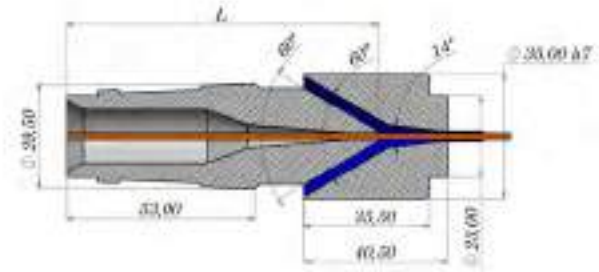


6M tooling

Cod: G.6M.60.AC

(AC) Steel / (W) Entirely made of carbide / (IW) Carbide insert / (ID) Diamond insert
 (60) Pressure / (34) Semi-pressure / (T) Tubular / (PL) Flat / (PR) Parallel
 Model
 (G) Guide / (M) Source

Pressure 60°	Guide	<ul style="list-style-type: none"> Stainless steel with non-stick treatment Steel with carbide insert
	Source	<ul style="list-style-type: none"> Stainless steel with non-stick treatment Steel with carbide insert
Semi-pressure 34°	Guide	<ul style="list-style-type: none"> Stainless steel with non-stick treatment Steel with carbide insert
	Source	<ul style="list-style-type: none"> Stainless steel with non-stick treatment Steel with carbide insert
Tubular (T)	Guide	<ul style="list-style-type: none"> Stainless steel with non-stick treatment Steel with carbide insert
	Source	<ul style="list-style-type: none"> Stainless steel with non-stick treatment Steel with carbide insert
Plane (PL)	Guide	<ul style="list-style-type: none"> Stainless steel with non-stick treatment Steel with carbide insert
	Source	<ul style="list-style-type: none"> Stainless steel with non-stick treatment Steel with carbide insert
Parallel (PR)	Guide	<ul style="list-style-type: none"> Stainless steel with non-stick treatment Steel with carbide insert
	Source	<ul style="list-style-type: none"> Stainless steel with non-stick treatment Steel with carbide insert



+ PRECISION
+ REPEATABILITY
+ TRACEABILITY

SOLUTIONS FOR STEEL CABLES

+SD+
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SD Line (Double Layer)

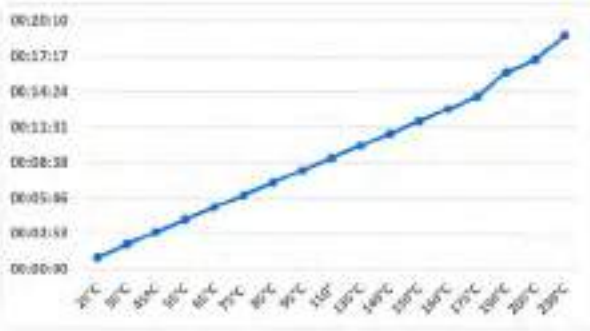
SD30

Capacity

- Ø Minimum input diameter 5 mm
- Ø Maximum input diameter 25 mm
- Ø Maximum output diameter 30 mm

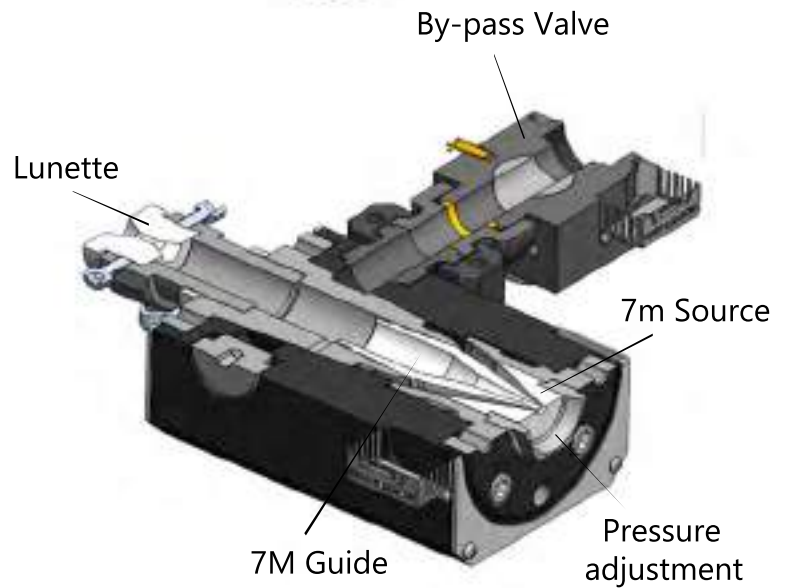
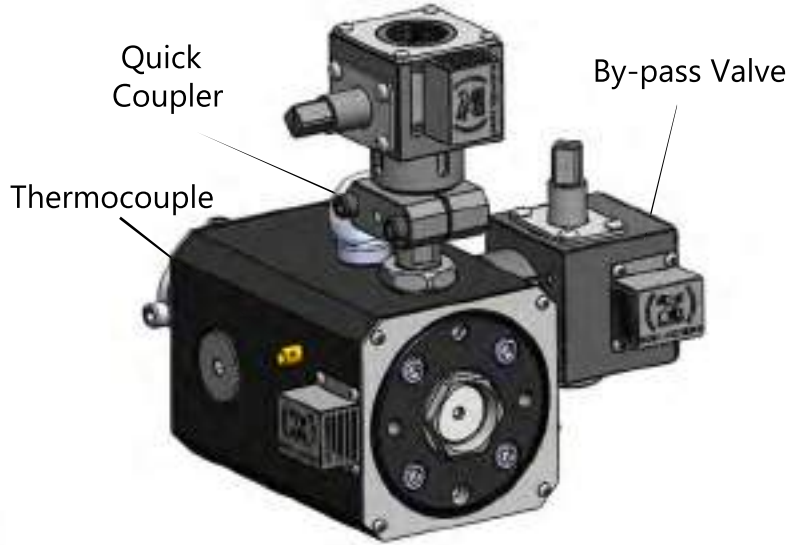
Heating system

- Cartridge resistance 12.65x190mm (4x)
- Power 2600 watts
- Voltage 240 Volts (Standard)

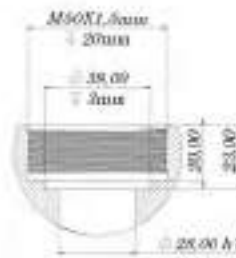


Optional

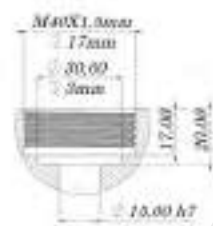
- Bypass Valve
- Adjustable center option
- Vacuum entry
- Pre-centering lunette



Main input

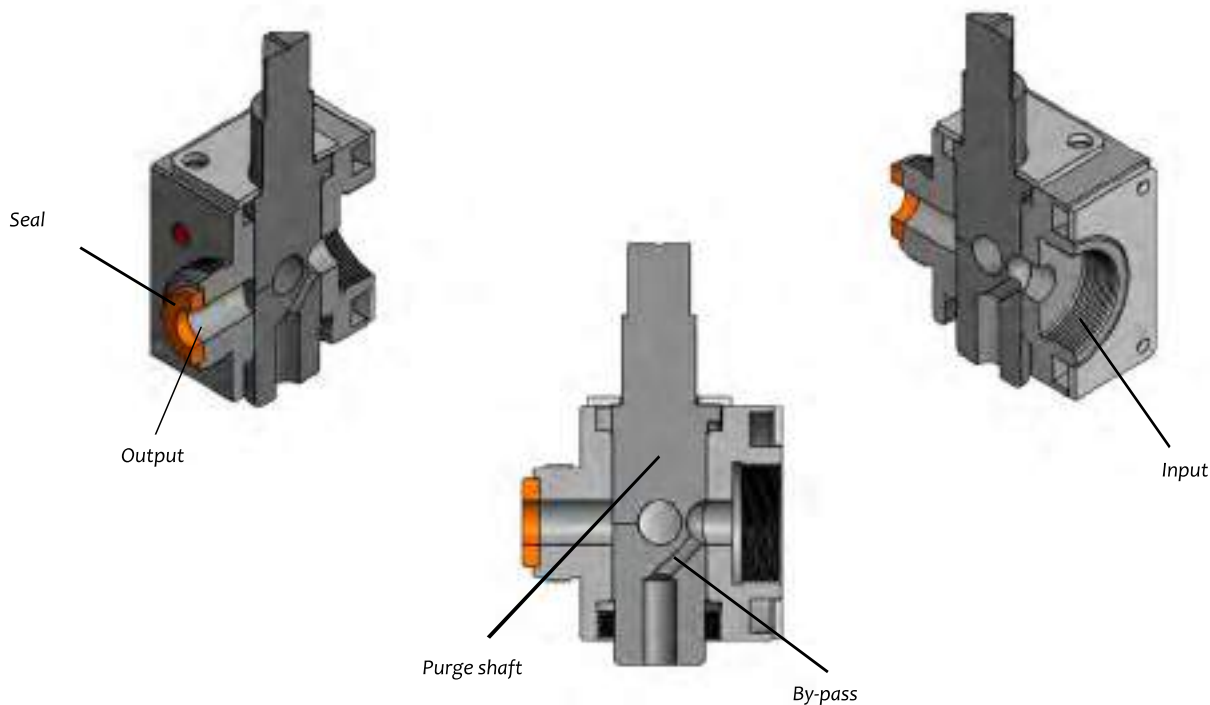


Auxiliary Input



BY-PASS VALVE

Designed to increase line efficiency, purge valves are an extremely important accessory for companies looking to standardize and save time and raw materials. These valves are manufactured with top-quality high-performance steel with a super-cleans surface treatment, allowing for easy cleaning and maintenance. With the technology applied, Sonyc Die do Brasil's valves do not jam, providing more safety and reliability in operation. The purge valves come with a threaded puller for easy disassembly and a key for valve opening and closing. They can be used for all compounds such as PVC / PE / PA / LSZH / XLPE / HEPR...



- Reduction of scrap
- Decrease in setup time
- Raw material savings
- Easy cleaning
- Simplified maintenance



7M tooling

Cod: G.7M.60.AC
 (AC) Steel / (W) Entirely made of carbide / (IW) Carbide insert / (ID) Diamond insert
 (60) Pressure / (34) Semi-pressure / (T) Tubular / (PL) Plane/ (PR) Parallel
 Model
 (G) Guide / (M) Source

Pressure 60°	Guide	<ul style="list-style-type: none"> Stainless steel with non-stick treatment Steel with carbide insert 	
	Source	<ul style="list-style-type: none"> Stainless steel with non-stick treatment Steel with carbide insert 	
Semi-pressure 34°	Guide	<ul style="list-style-type: none"> Stainless steel with non-stick treatment Steel with carbide insert 	
	Source	<ul style="list-style-type: none"> Stainless steel with non-stick treatment Steel with carbide insert 	
Tubular (T)	Guide	<ul style="list-style-type: none"> Stainless steel with non-stick treatment Steel with carbide insert 	
	Source	<ul style="list-style-type: none"> Stainless steel with non-stick treatment Steel with carbide insert 	
Plane (PL)	Guide	<ul style="list-style-type: none"> Stainless steel with non-stick treatment Steel with carbide insert 	
	Source	<ul style="list-style-type: none"> Stainless steel with non-stick treatment Steel with carbide insert 	

+ PRECISION
+ REPEATABILITY
+ TRACEABILITY

SOLUTIONS FOR HOSES AND UMBILICAL CABLES

+SD+
SONYCIDIES



SD Line (Double Layer)

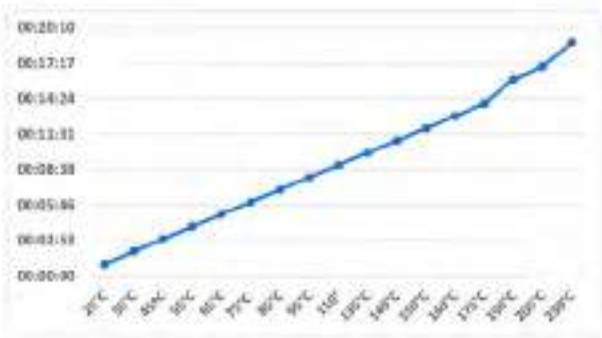
SD50

Capacity

- Ø Minimum input diameter 5 mm
- Ø Maximum input diameter 40 mm
- Ø Maximum output diameter 50 mm

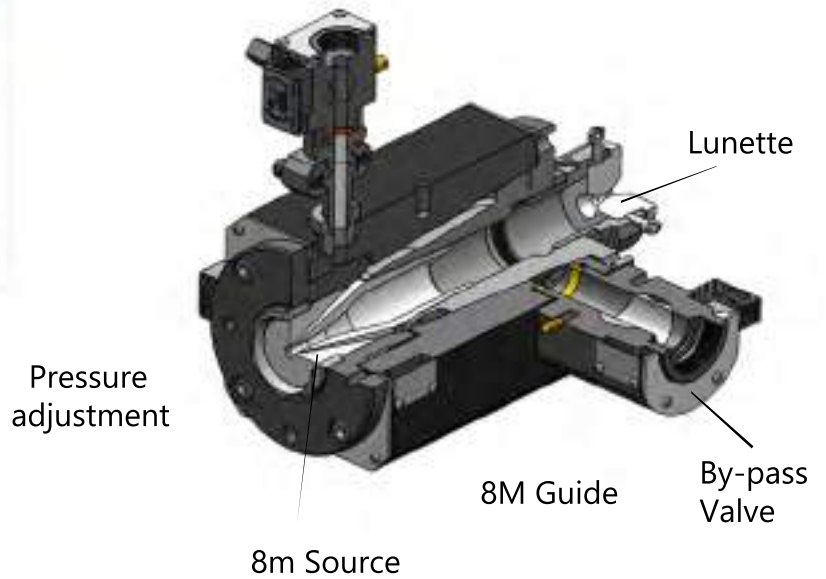
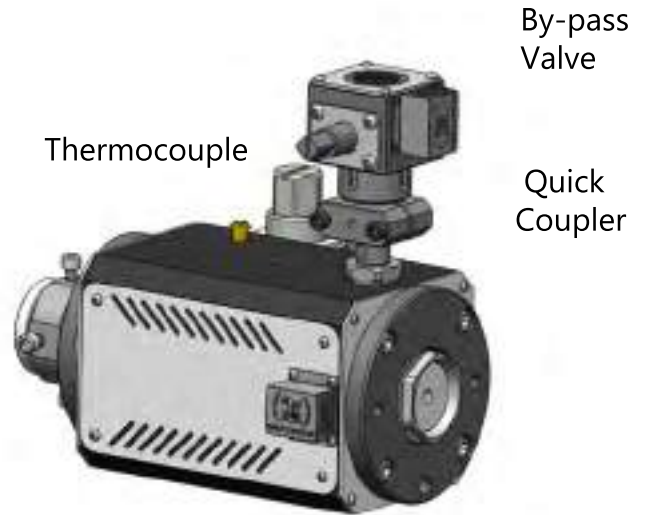
Heating system

- Cartridge resistance 12.65x200mm (4x)
- Power 2800 watts
- Voltage 240 Volts (Standard)

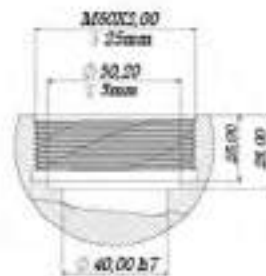


Optional

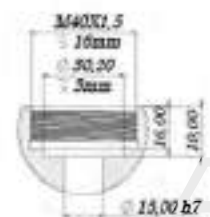
- Bypass Valve
- Adjustable center option
- Vacuum entry
- Pre-centering lunette



Main input

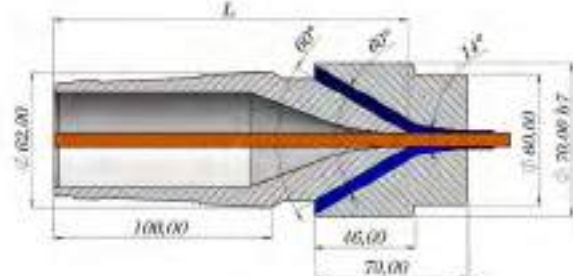
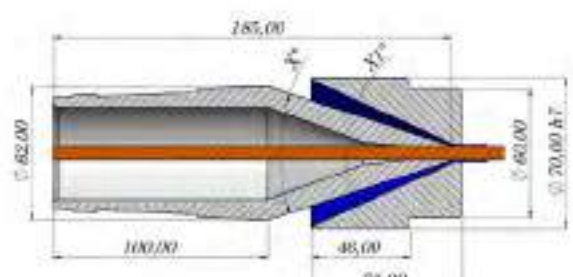
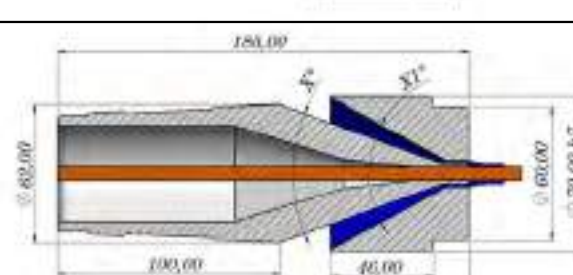
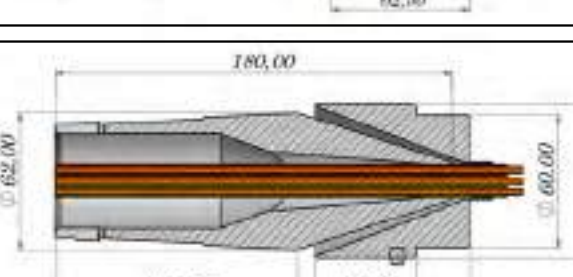


Auxiliary Input



8M tooling

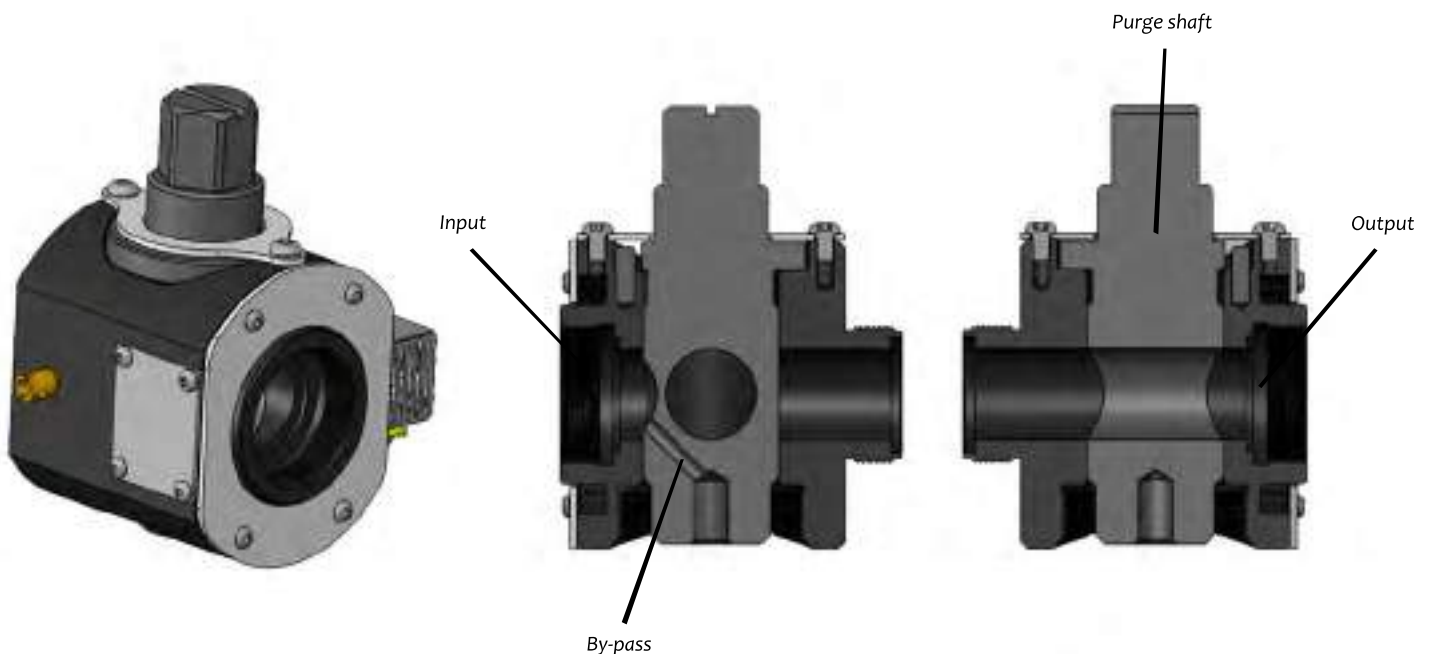
Cod: G.8M.60.AC (AC) Steel / (W) Entirely made of carbide / (IW) Carbide insert / (ID) Diamond insert
 (60) Pressure / (34) Semi-pressure / (T) Tubular / (PL) Plane/ (PR) Parallel
 Model
 (G) Guide / (M) Source

Pressure 60°	Guide	<ul style="list-style-type: none"> Stainless steel with non-stick treatment 	
	Source	<ul style="list-style-type: none"> Stainless steel with non-stick treatment Steel with carbide insert 	
Semi-pressure 34°	Guide	<ul style="list-style-type: none"> Stainless steel with non-stick treatment 	
	Source	<ul style="list-style-type: none"> Stainless steel with non-stick treatment Steel with carbide insert 	
Tubular (T)	Guide	<ul style="list-style-type: none"> Stainless steel with non-stick treatment 	
	Source	<ul style="list-style-type: none"> Stainless steel with non-stick treatment Steel with carbide insert 	
Plane (PL)	Guide	<ul style="list-style-type: none"> Stainless steel with non-stick treatment Steel with carbide insert 	
	Source	<ul style="list-style-type: none"> Stainless steel with non-stick treatment Steel with carbide insert Entirely made of carbide 	

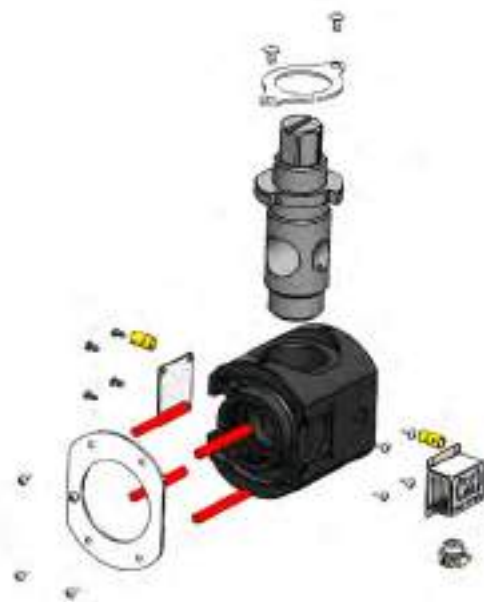
+ PRECISION
+ REPEATABILITY
+ TRACEABILITY

BY-PASS VALVE

Designed to increase line efficiency, purge valves are an extremely important accessory for companies looking to standardize and save time and raw materials. These valves are manufactured with top-quality high-performance steel with a super-cleans surface treatment, allowing for easy cleaning and maintenance. With the technology applied, Sonyc Die do Brasil's valves do not jam, providing more safety and reliability in operation. The purge valves come with a threaded puller for easy disassembly and a key for valve opening and closing. They can be used for all compounds such as PVC / PE / PA / LSZH / XLPE / HEPR...

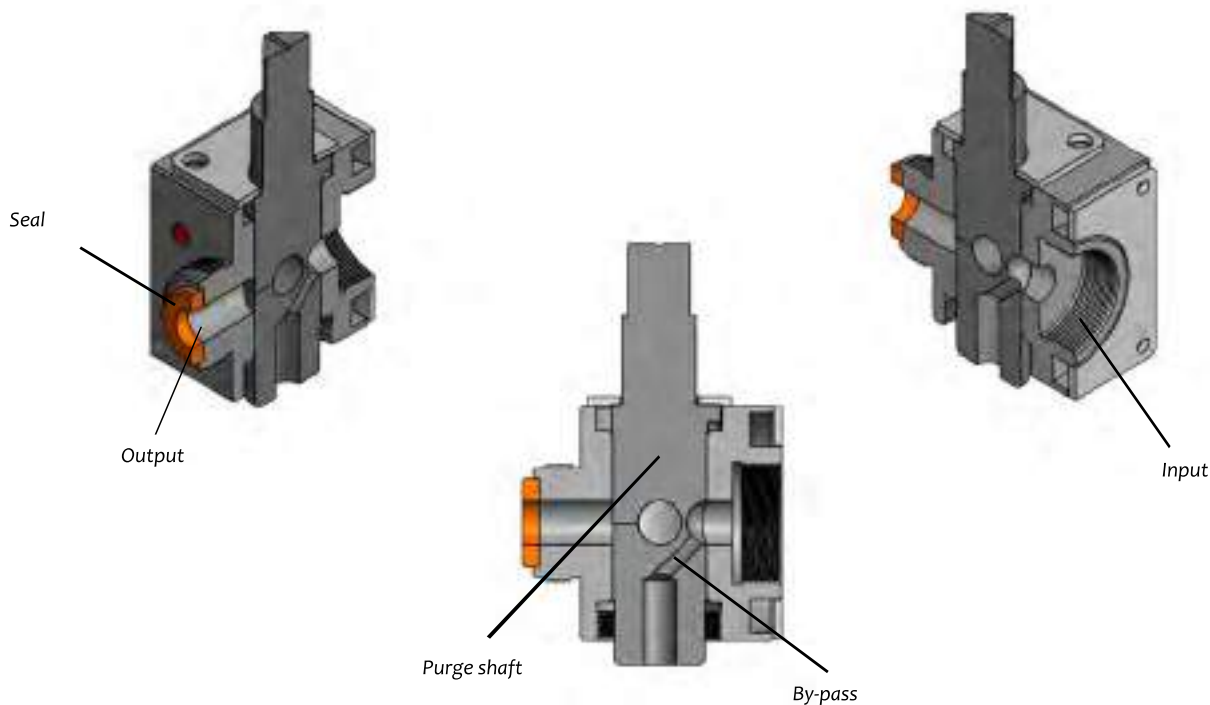


- Reduction of scrap
- Decrease in setup time
- Raw material savings
- Easy cleaning
- Simplified maintenance



BY-PASS VALVE

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- **Reduction of scrap**
- **Decrease in setup time**
- **Raw material savings**
- **Easy cleaning**
- **Simplified maintenance**



SD Line (Single Layer)

SD80

Capacity

- Ø Minimum input diameter 20 mm
- Ø Maximum input diameter 85 mm
- Ø Maximum output diameter 100 mm

Heating system

- Cartridge resistance 19 x 300mm (8x)
- Power 6400 watts
- Voltage 260 Volts (Standard)
- Heating time (190°) 27 minutes

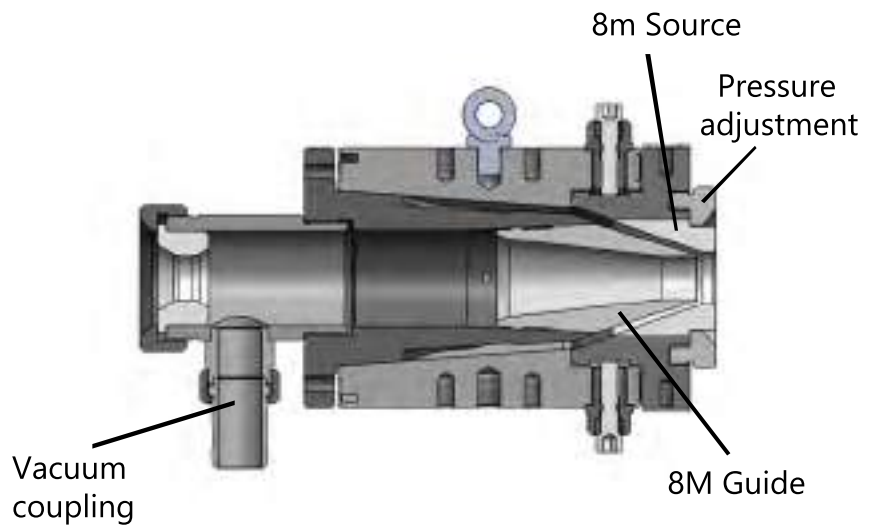
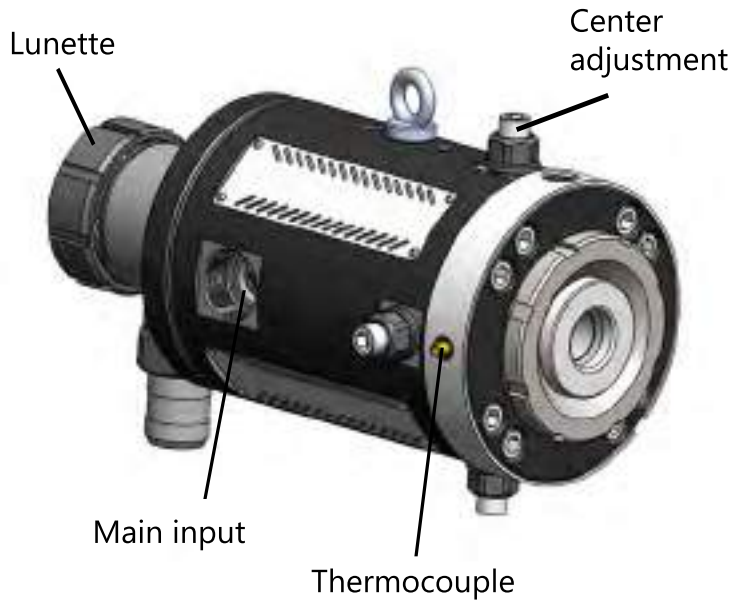
Usable for all compounds
PVC / PE / PA / LSZH / XLPE / HEPR...

Characteristics

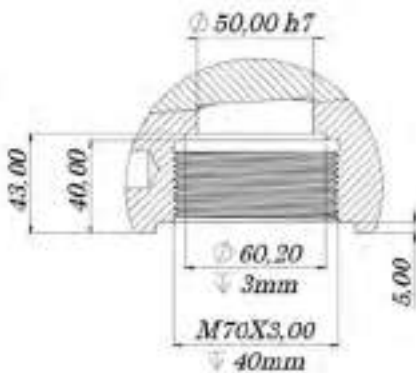
- Reduction of scrap
- Decrease in setup time
- Raw material savings
- Easy cleaning
- Simplified maintenance

Optional

- Bypass Valve
- Adjustable center option
- Vacuum entry
- Pre-centering lunette

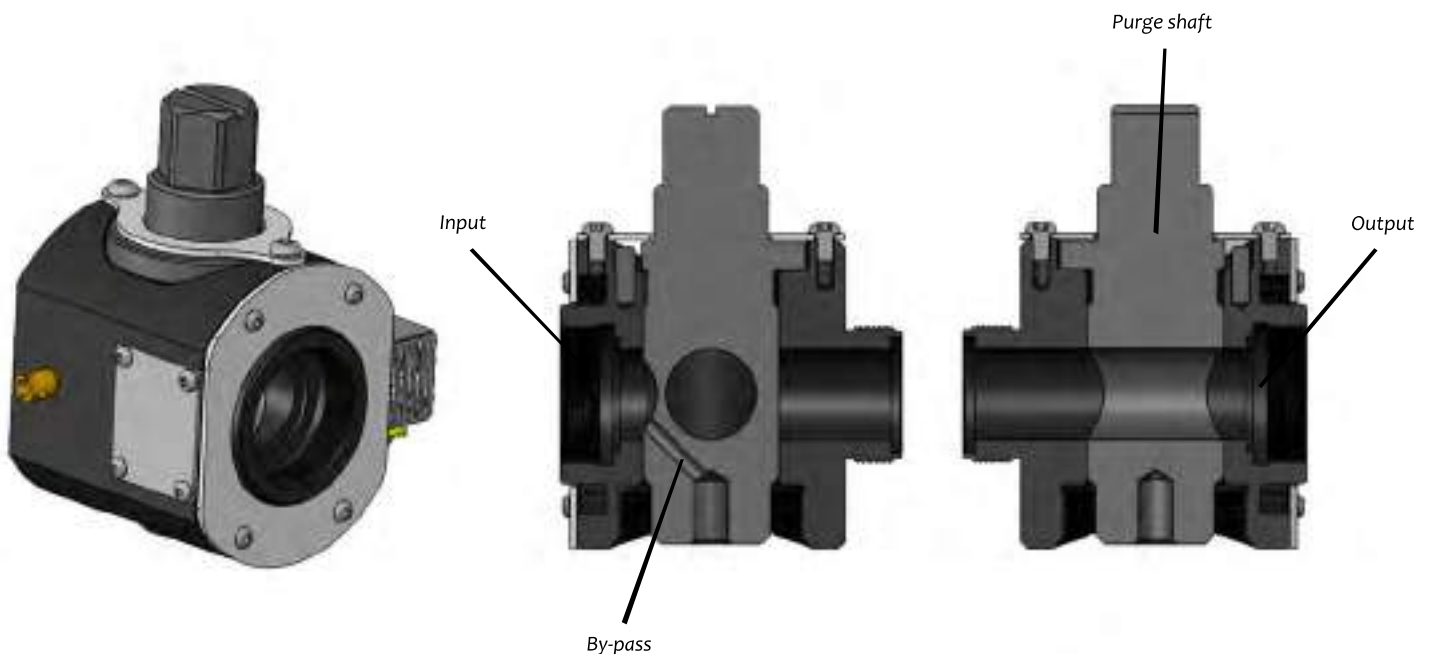


Main input

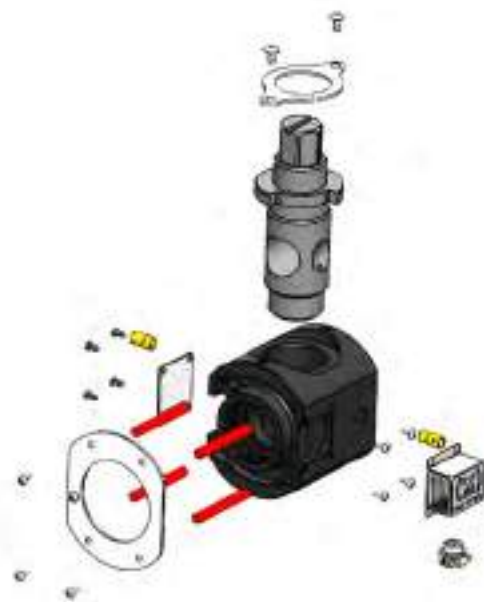


BY-PASS VALVE

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- Reduction of scrap
- Decrease in setup time
- Raw material savings
- Easy cleaning
- Simplified maintenance

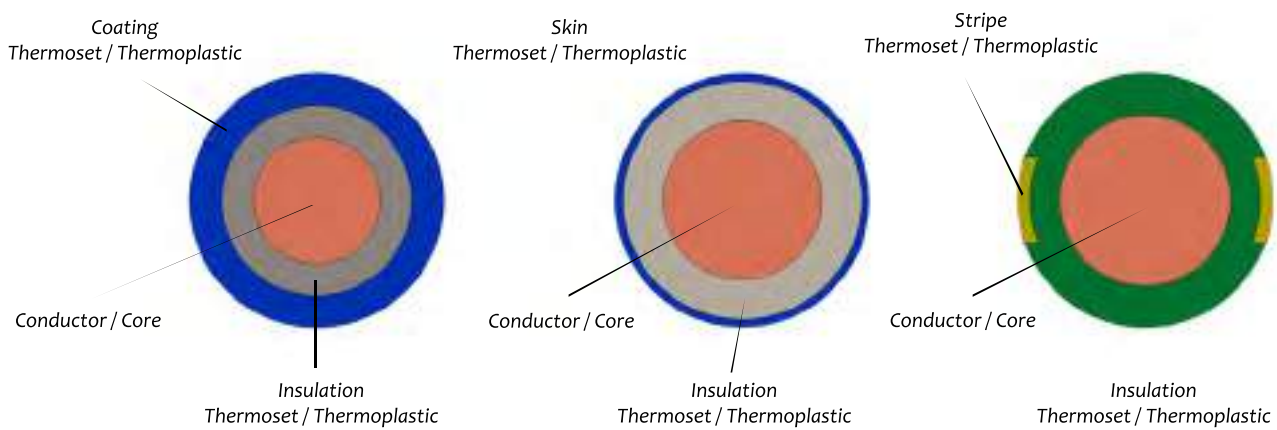


SOLUTIONS FOR POWER CABLES

Description

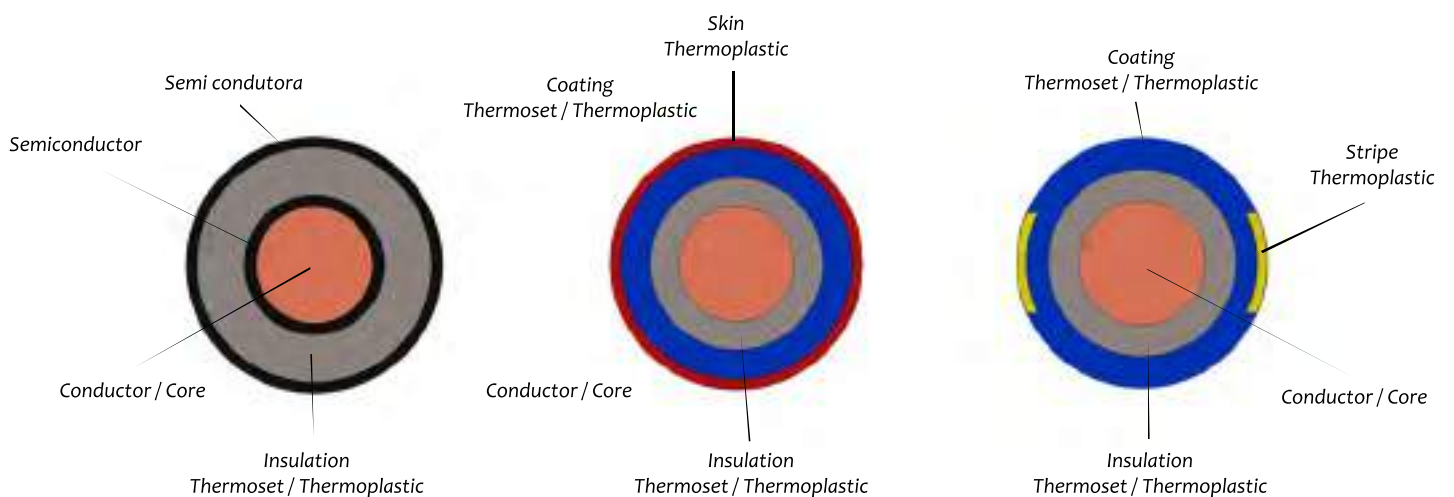
Double Layer (skin, stripe and two layers)

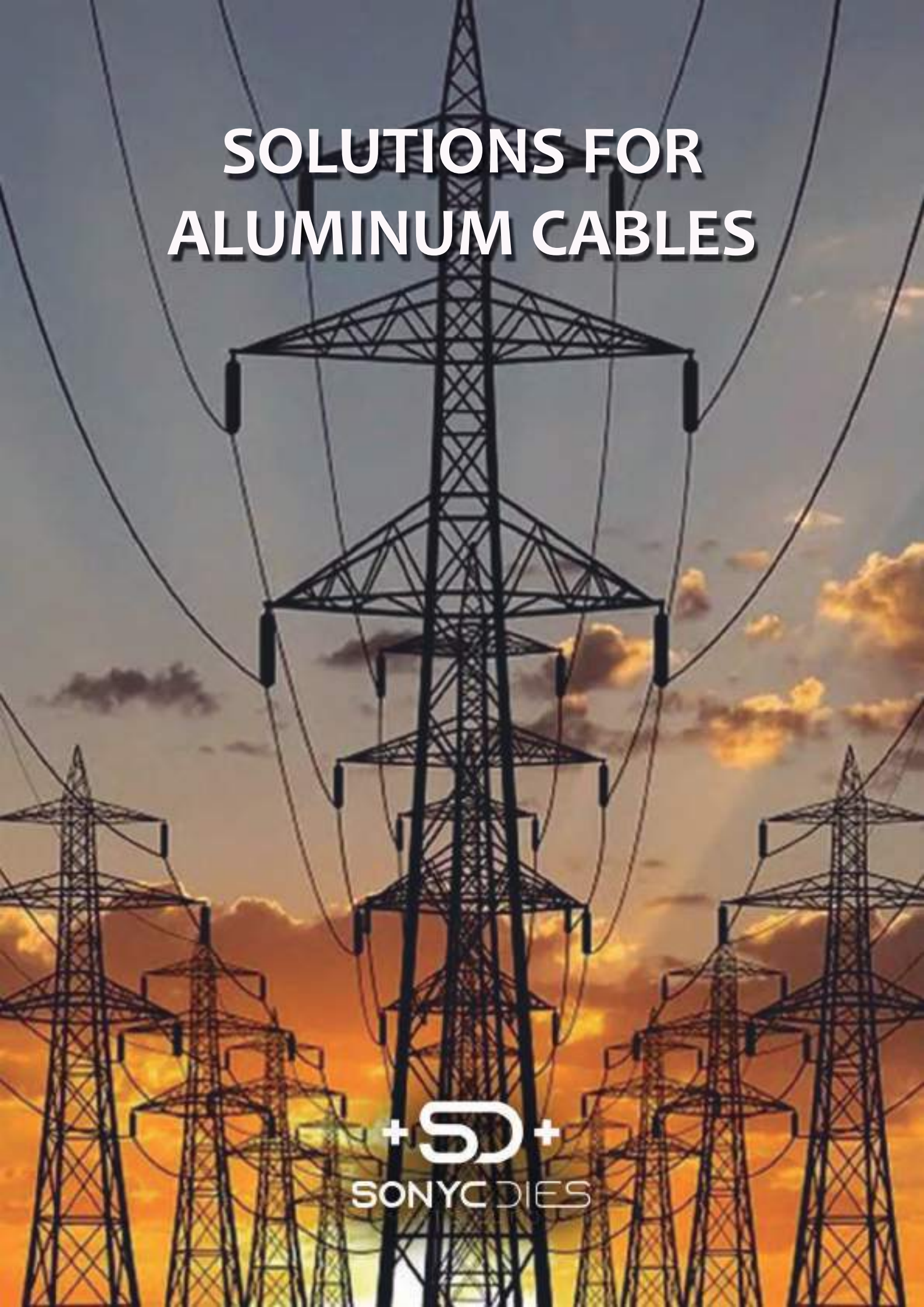
Solution developed for the manufacturing of medium voltage and high voltage wires and cables, using two extruders, ideal for companies seeking to produce with low setup time in a single pass and with simple operation.



Triple Layer (Insulation + sheath + skin or insulation + skin + stripe)

Solution developed for those seeking raw material savings, along with low setup time. Solutions for skin and strip cables are made through three extruders, two main ones and one auxiliary, allowing the manufacture of the cable core without pigment, and a thin cover or second layer with the same thickness, and adding a skin or stripe in the last layer.





SOLUTIONS FOR ALUMINUM CABLES

+SD+
SONYCDIES

Evolution Line (Duplex)

Evolution 20

Double Layer (Skin or Stripe)

Capacity

- Ø Minimum input diameter: 0.40 mm
- Ø Maximum input diameter: 13 mm
- Ø Maximum output diameter: 20 mm

Heating system

- Cartridge heater 12.65x190mm (4x)
- Power 2600 watts
- Voltage 260 Volts (Standard)
- Heating time (190°C) 17 minutes

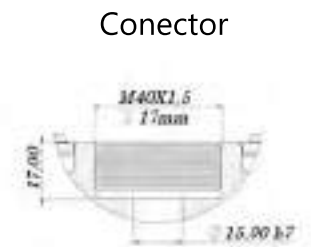
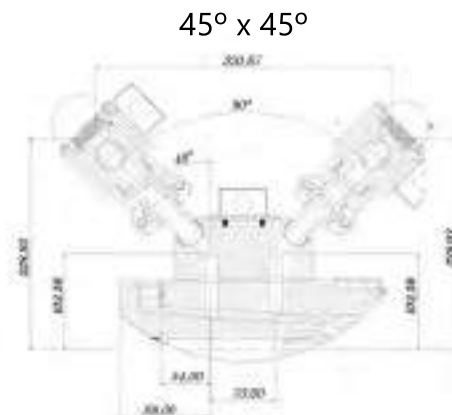
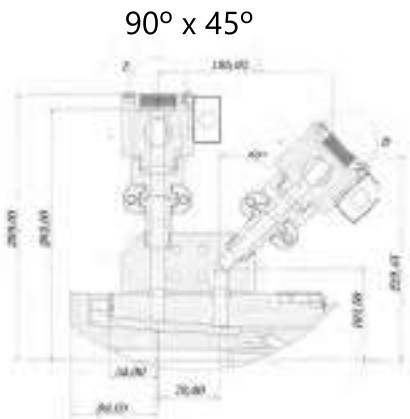
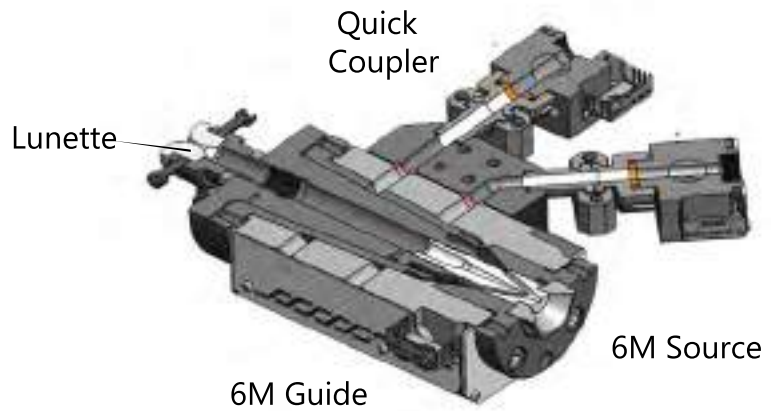
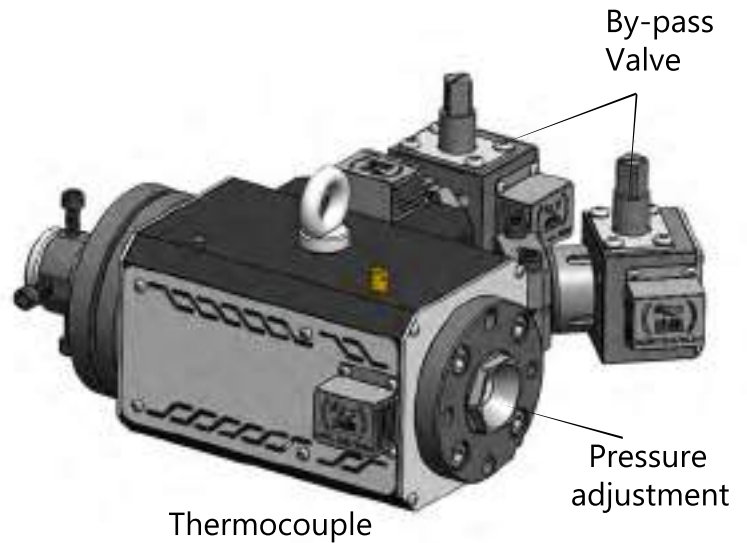
Usable for all compounds
PVC / PE / PA / LSZH / XLPE / HEPR...

Characteristics

- Reduced scrap
- Decreased setup time
- Raw material savings
- Easy cleaning
- Simplified maintenance

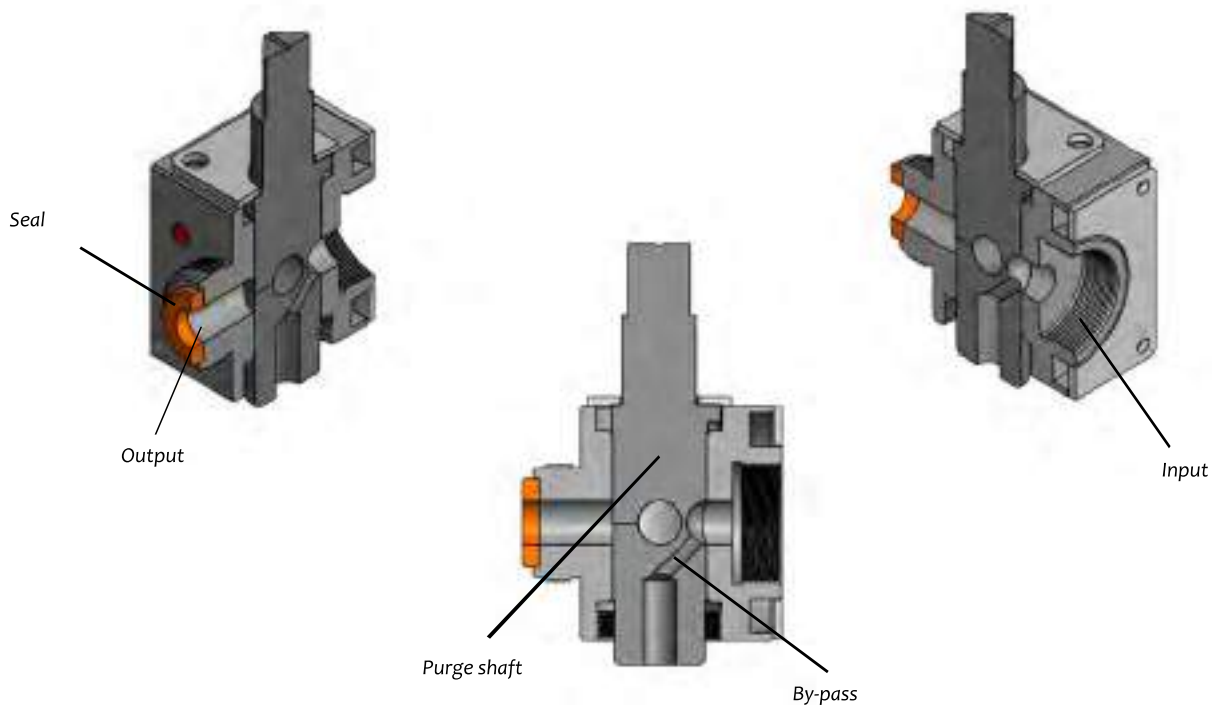
Optional

- By-pass valve
- Vacuum input
- Pre-centering lunette
- Quick color change option



BY-PASS VALVE

Designed to increase line efficiency, purge valves are an extremely important accessory for companies looking to standardize and save time and raw materials. These valves are manufactured with top-quality high-performance steel with a super-cleans surface treatment, allowing for easy cleaning and maintenance. With the technology applied, Sonyc Die do Brasil's valves do not jam, providing more safety and reliability in operation. The purge valves come with a threaded puller for easy disassembly and a key for valve opening and closing. They can be used for all compounds such as PVC / PE / PA / LSZH / XLPE / HEPR...



- **Reduction of scrap**
- **Decrease in setup time**
- **Raw material savings**
- **Easy cleaning**
- **Simplified maintenance**

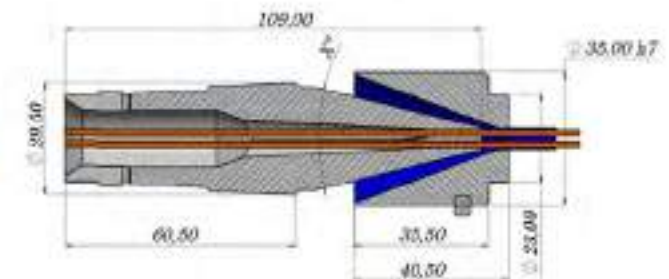
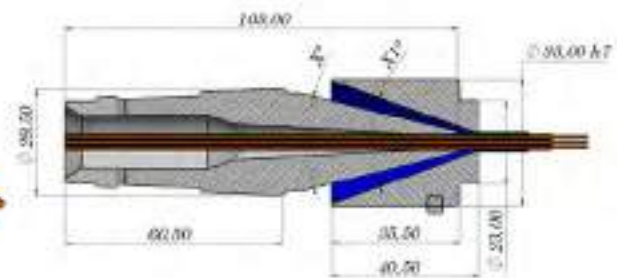
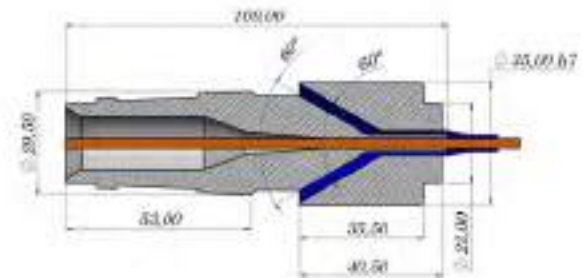
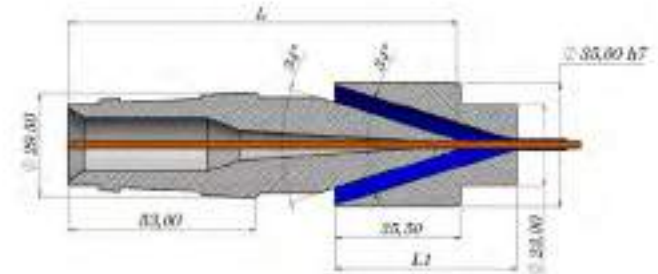
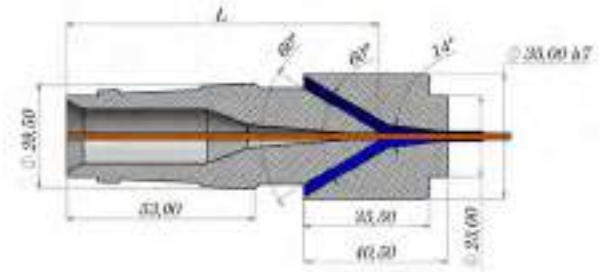


6M tooling

Cod: G.6M.60.AC

(AC) Steel / (W) Entirely made of carbide / (IW) Carbide insert / (ID) Diamond insert
 (60) Pressure / (34) Semi-pressure / (T) Tubular / (PL) Flat / (PR) Parallel
 Model
 (G) Guide / (M) Source

Pressure 60°	Guide	<ul style="list-style-type: none"> Stainless steel with non-stick treatment Steel with carbide insert
	Source	<ul style="list-style-type: none"> Stainless steel with non-stick treatment Steel with carbide insert
Semi-pressure 34°	Guide	<ul style="list-style-type: none"> Stainless steel with non-stick treatment Steel with carbide insert
	Source	<ul style="list-style-type: none"> Stainless steel with non-stick treatment Steel with carbide insert
Tubular (T)	Guide	<ul style="list-style-type: none"> Stainless steel with non-stick treatment Steel with carbide insert
	Source	<ul style="list-style-type: none"> Stainless steel with non-stick treatment Steel with carbide insert
Plane (PL)	Guide	<ul style="list-style-type: none"> Stainless steel with non-stick treatment Steel with carbide insert
	Source	<ul style="list-style-type: none"> Stainless steel with non-stick treatment Steel with carbide insert
Parallel (PR)	Guide	<ul style="list-style-type: none"> Stainless steel with non-stick treatment Steel with carbide insert
	Source	<ul style="list-style-type: none"> Stainless steel with non-stick treatment Steel with carbide insert



+ PRECISION
+ REPEATABILITY
+ TRACEABILITY

Evolution Line(Duplex)

Evolution 50

Double Layer

Capacity

- Ø Minimum input diameter 3mm
- Ø Maximum input diameter 40mm
- Ø Maximum output diameter 50mm

Heating system

- Cartridge resistance 19x260mm (4x)
- Power 3000 watts
- Voltage 260 Volts (Standard)
- Heating time (190°) 23 minutes

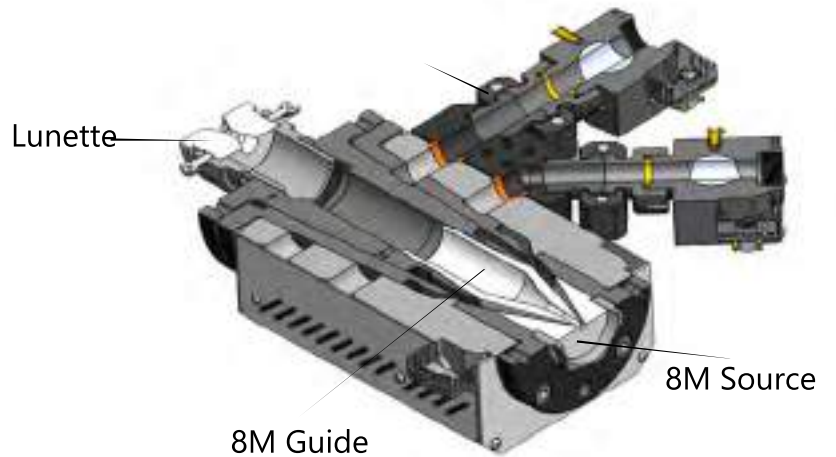
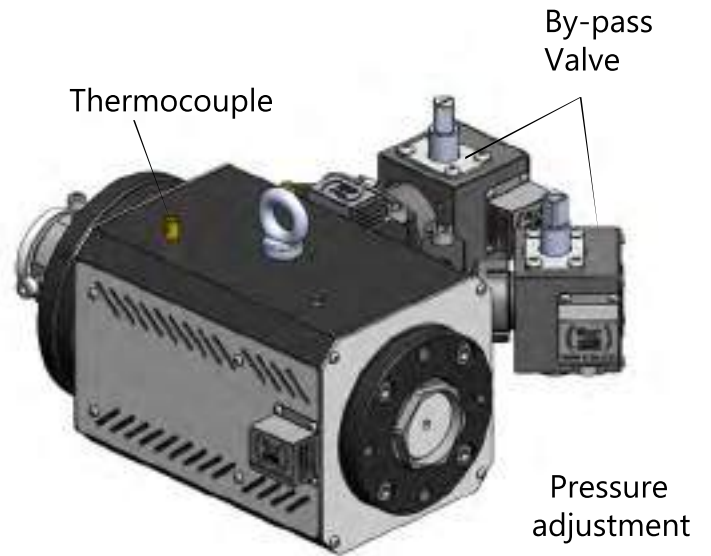
Usable for all compounds
PVC / PE / PA / LSZH / XLPE / HEPR...

Characteristics

- Reduction of scrap
- Decrease in setup time
- Raw material savings
- Easy cleaning
- Simplified maintenance

Optional

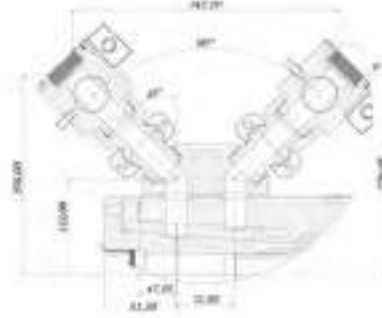
- By-pass valve
- Vacuum input
- Pre-centering lunette
- Quick color change option



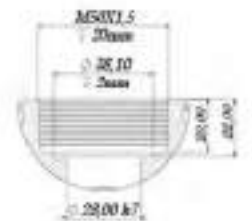
90° x 45°



45° x 45°

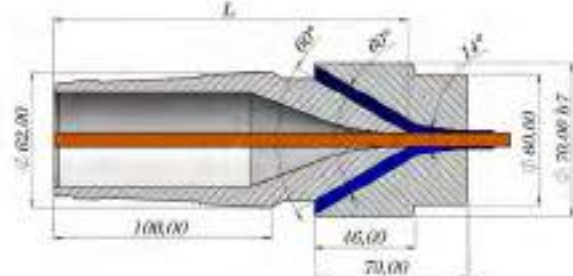
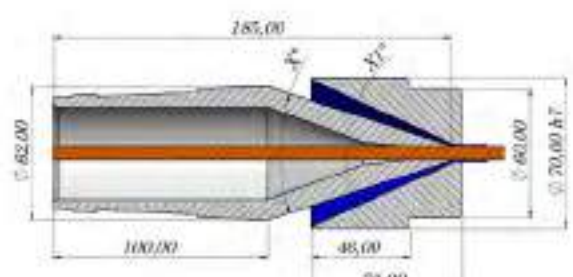
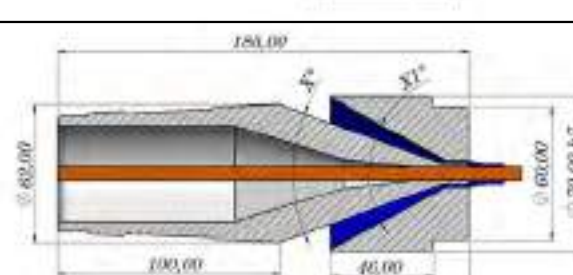
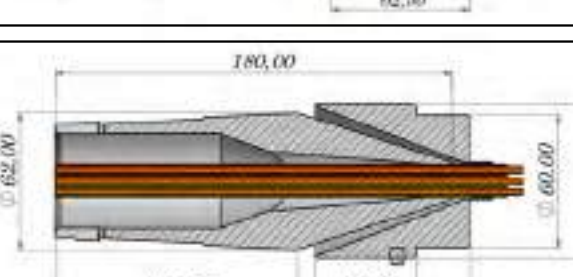


Conector



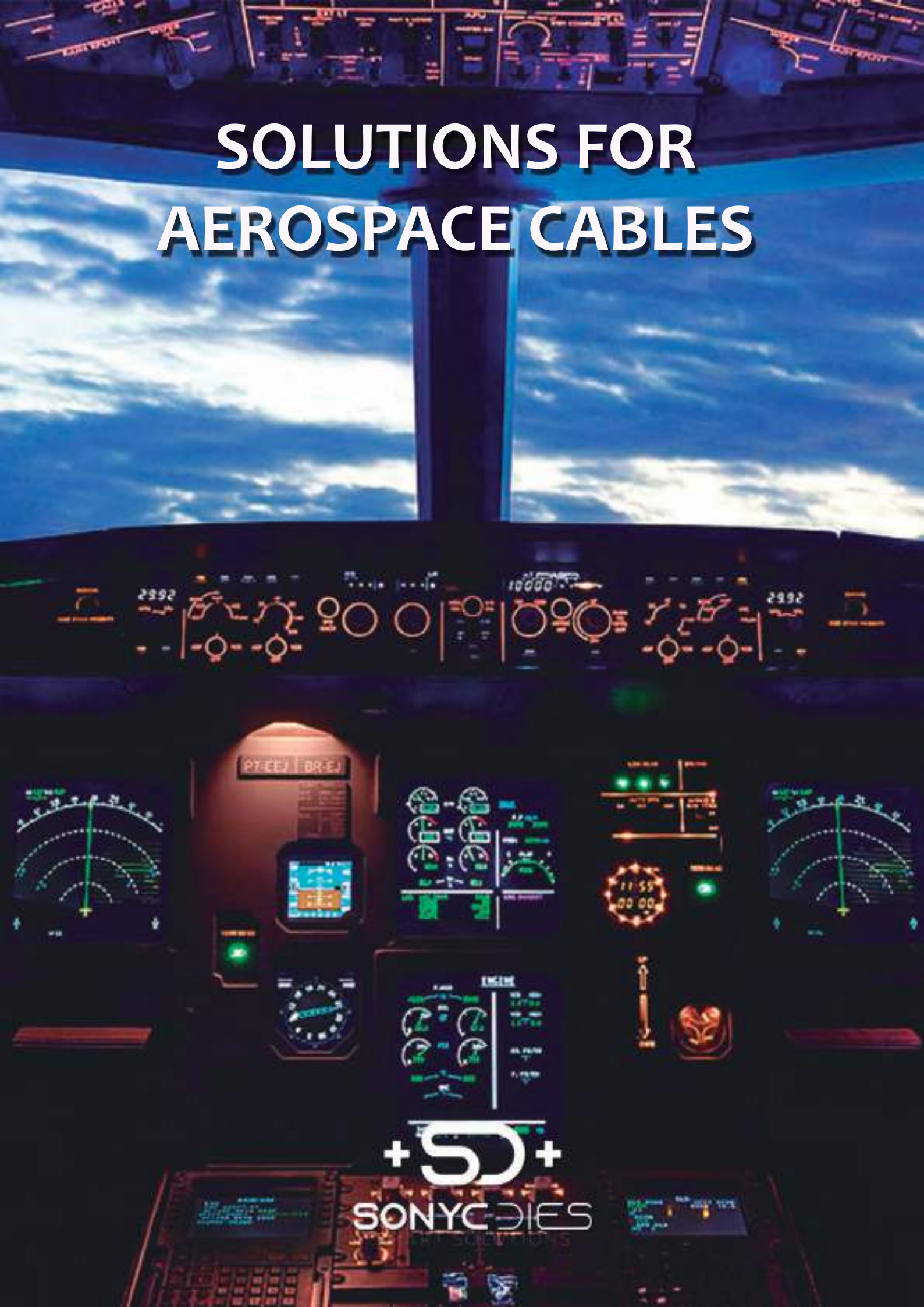
8M tooling

Cod: G.8M.60.AC
 (AC) Steel / (W) Entirely made of carbide / (IW) Carbide insert / (ID) Diamond insert
 (60) Pressure / (34) Semi-pressure / (T) Tubular / (PL) Plane/ (PR) Parallel
 Model
 (G) Guide / (M) Source

Pressure 60°	Guide	<ul style="list-style-type: none"> Stainless steel with non-stick treatment 	
	Source	<ul style="list-style-type: none"> Stainless steel with non-stick treatment Steel with carbide insert 	
Semi-pressure 34°	Guide	<ul style="list-style-type: none"> Stainless steel with non-stick treatment 	
	Source	<ul style="list-style-type: none"> Stainless steel with non-stick treatment Steel with carbide insert 	
Tubular (T)	Guide	<ul style="list-style-type: none"> Stainless steel with non-stick treatment 	
	Source	<ul style="list-style-type: none"> Stainless steel with non-stick treatment Steel with carbide insert 	
Plane (PL)	Guide	<ul style="list-style-type: none"> Stainless steel with non-stick treatment Steel with carbide insert 	
	Source	<ul style="list-style-type: none"> Stainless steel with non-stick treatment Steel with carbide insert Entirely made of carbide 	

+ PRECISION
+ REPEATABILITY
+ TRACEABILITY

SOLUTIONS FOR AEROSPACE CABLES



+SD+

SONYCIDES

Evolution Line (Duplex)

Evolution Triplex 20

Triple Layer

Capacity

- Ø Minimum input diameter 0.80mm
- Ø Maximum input diameter 13mm
- Ø Maximum output diameter 20mm

Heating system

- Cartridge resistance 12.65x190mm (4x)
- Power 2600 watts
- Voltage 260 Volts (Standard)
- Heating time (190°) 17 minutes

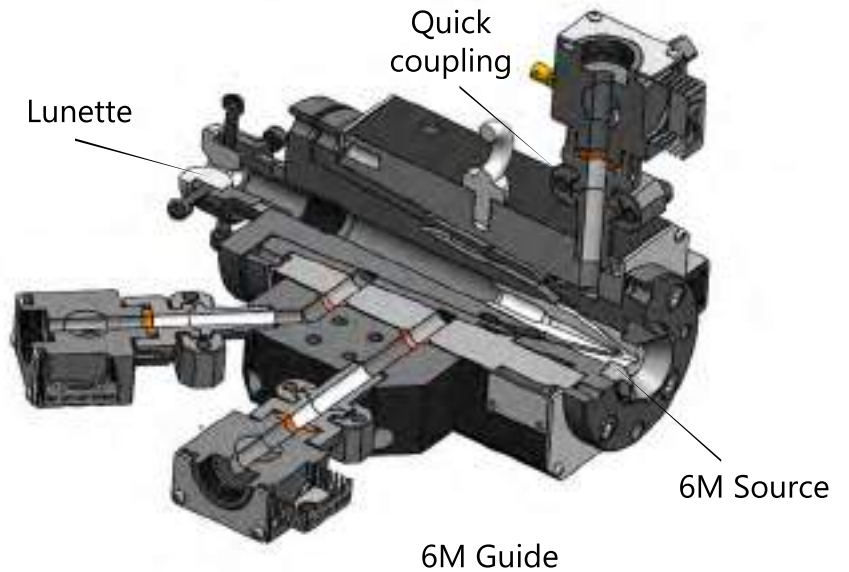
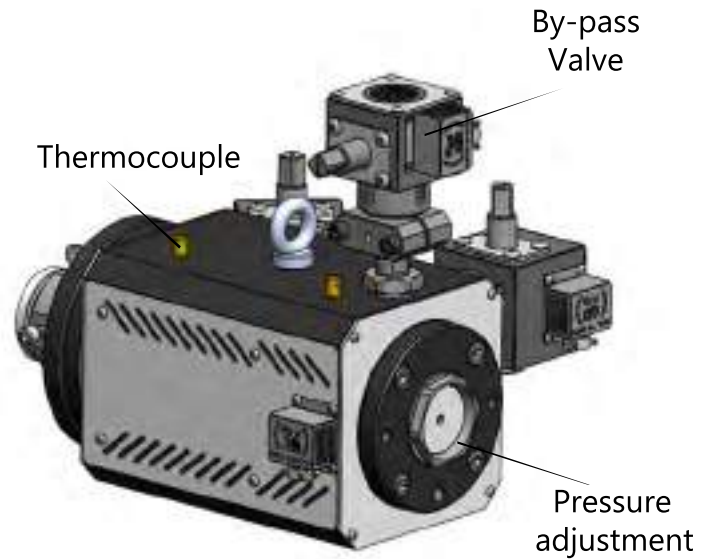
Usable for all compounds
PVC / PE / PA / LSZH / XLPE / HEPR...

Characteristics

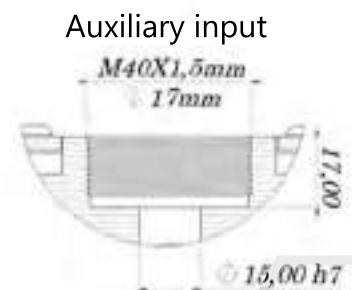
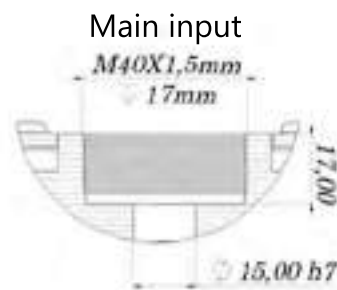
- Reduction of scrap
- Decrease in setup time
- Raw material savings
- Easy cleaning
- Simplified maintenance

Optional

- By-pass valve
- Vacuum input
- Pre-centering lunette
- Quick color change option

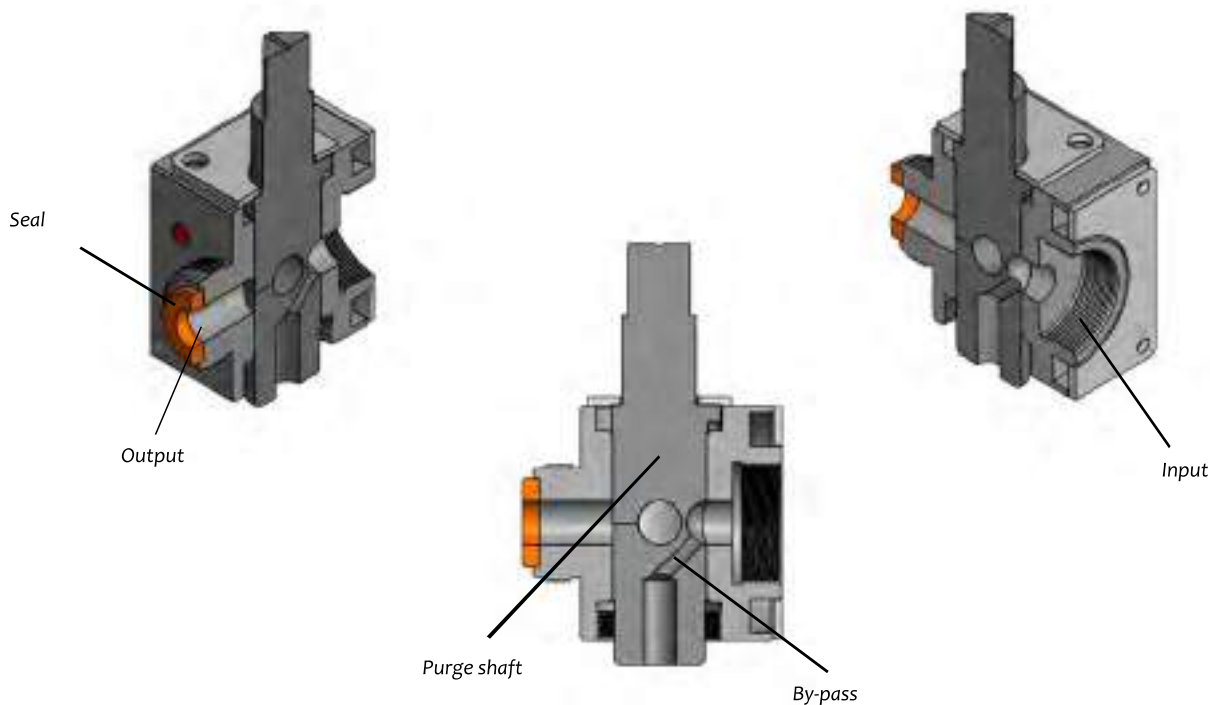


90° x 45°



BY-PASS VALVE

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- **Reduction of scrap**
- **Decrease in setup time**
- **Raw material savings**
- **Easy cleaning**
- **Simplified maintenance**

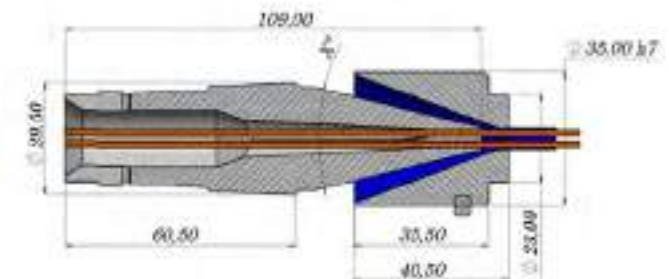
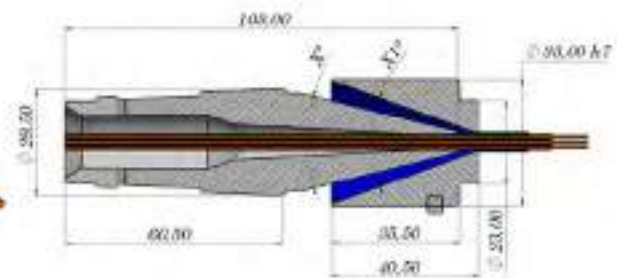
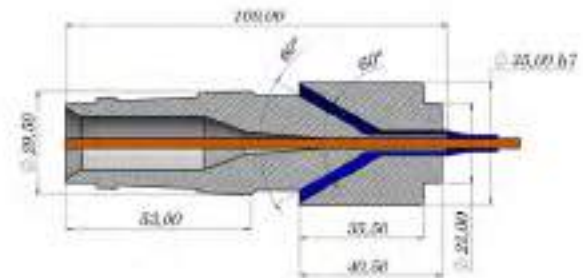
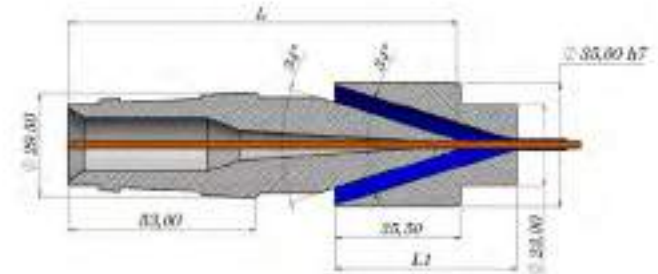
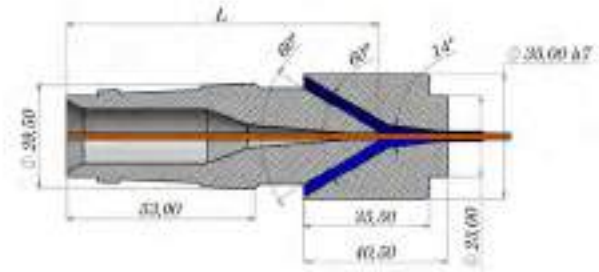


6M tooling

Cod: G.6M.60.AC

(AC) Steel / (W) Entirely made of carbide / (IW) Carbide insert / (ID) Diamond insert
 (60) Pressure / (34) Semi-pressure / (T) Tubular / (PL) Flat / (PR) Parallel
 Model
 (G) Guide / (M) Source

Pressure 60°	Guide	<ul style="list-style-type: none"> Stainless steel with non-stick treatment Steel with carbide insert
	Source	<ul style="list-style-type: none"> Stainless steel with non-stick treatment Steel with carbide insert
Semi-pressure 34°	Guide	<ul style="list-style-type: none"> Stainless steel with non-stick treatment Steel with carbide insert
	Source	<ul style="list-style-type: none"> Stainless steel with non-stick treatment Steel with carbide insert
Tubular (T)	Guide	<ul style="list-style-type: none"> Stainless steel with non-stick treatment Steel with carbide insert
	Source	<ul style="list-style-type: none"> Stainless steel with non-stick treatment Steel with carbide insert
Plane (PL)	Guide	<ul style="list-style-type: none"> Stainless steel with non-stick treatment Steel with carbide insert
	Source	<ul style="list-style-type: none"> Stainless steel with non-stick treatment Steel with carbide insert
Parallel (PR)	Guide	<ul style="list-style-type: none"> Stainless steel with non-stick treatment Steel with carbide insert
	Source	<ul style="list-style-type: none"> Stainless steel with non-stick treatment Steel with carbide insert



+ PRECISION
+ REPEATABILITY
+ TRACEABILITY

Linha Evolution (Duplex)

Evolution Triplex 50

Triple Layer

Capacity

- Ø Minimum input diameter 3mm
- Ø Maximum input diameter 40mm
- Ø Maximum output diameter 50mm

Heating system

- Cartridge resistance 19x260mm (4x)
- Power 3000 watts
- Voltage 260 Volts (Standard)
- Heating time (190°) 23 minutes

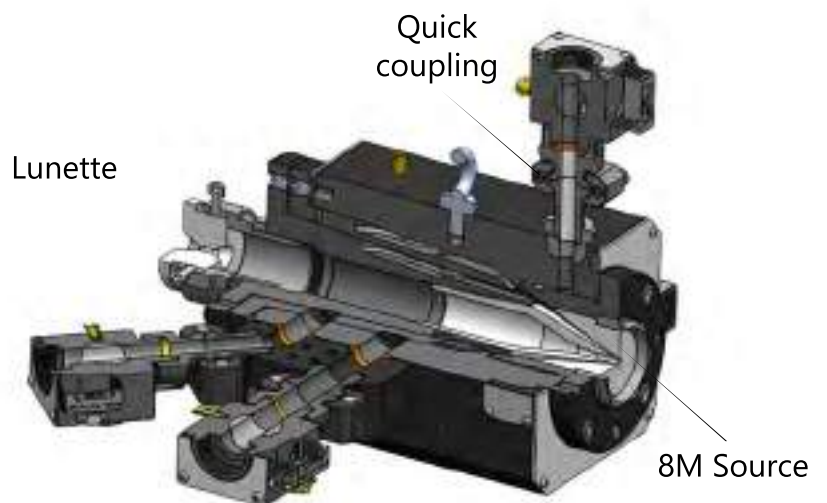
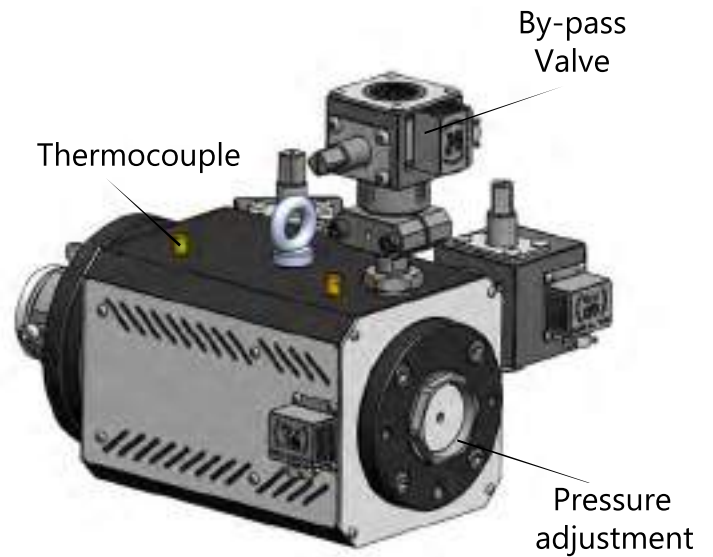
Usable for all compounds
PVC / PE / PA / LSZH / XLPE / HEPR...

Characteristics

- Reduction of scrap
- Decrease in setup time
- Raw material savings
- Easy cleaning
- Simplified maintenance

Optional

- By-pass valve
- Vacuum input
- Pre-centering lunette
- Quick color change option

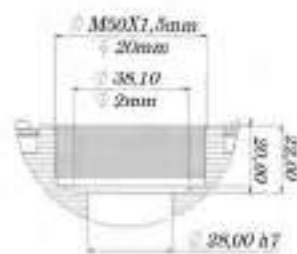


8M Guide

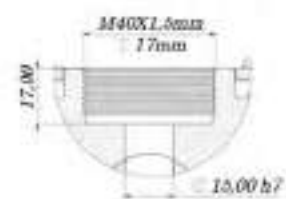
90° x 45°



Main input

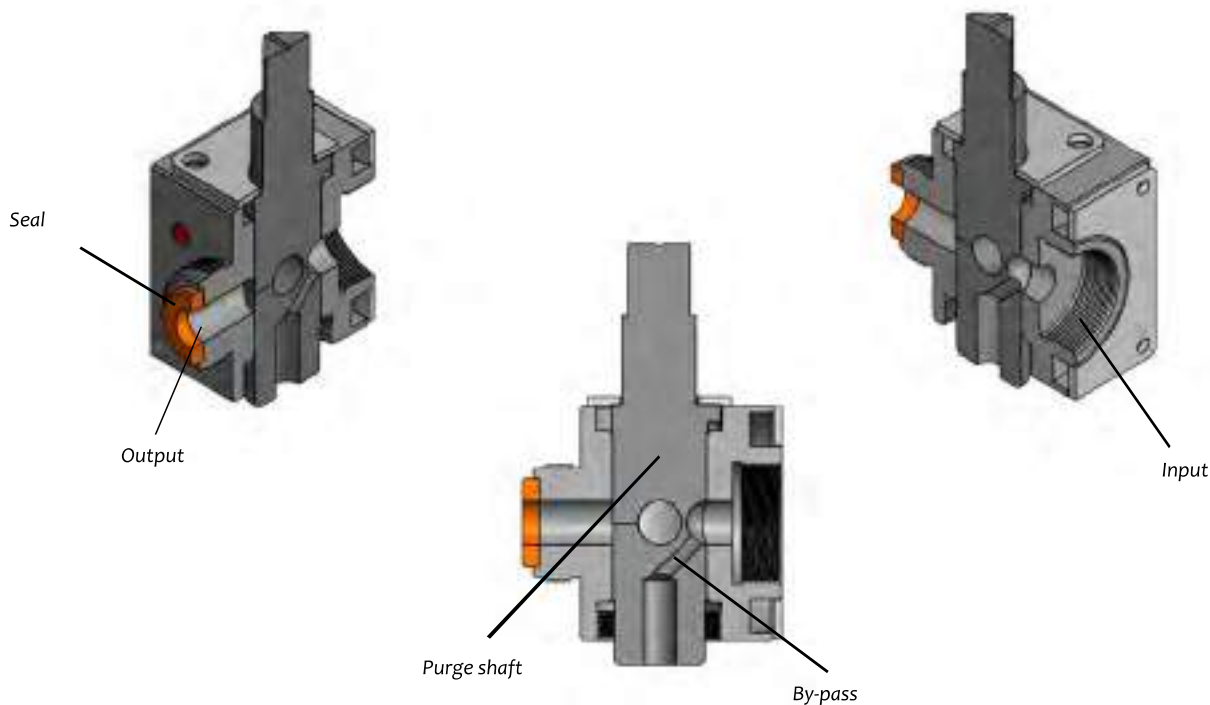


Auxiliary input



BY-PASS VALVE

Designed to increase line efficiency, purge valves are an extremely important accessory for companies looking to standardize and save time and raw materials. These valves are manufactured with top-quality high-performance steel with a super-cleans surface treatment, allowing for easy cleaning and maintenance. With the technology applied, Sonyc Die do Brasil's valves do not jam, providing more safety and reliability in operation. The purge valves come with a threaded puller for easy disassembly and a key for valve opening and closing. They can be used for all compounds such as PVC / PE / PA / LSZH / XLPE / HEPR...



- **Reduction of scrap**
- **Decrease in setup time**
- **Raw material savings**
- **Easy cleaning**
- **Simplified maintenance**



8M tooling

Cod: G.8M.60.AC
 (AC) Steel / (W) Entirely made of carbide / (IW) Carbide insert / (ID) Diamond insert
 (60) Pressure / (34) Semi-pressure / (T) Tubular / (PL) Plane/ (PR) Parallel
 Model
 (G) Guide / (M) Source

Pressure 60°	Guide	<ul style="list-style-type: none"> Stainless steel with non-stick treatment 	
	Source	<ul style="list-style-type: none"> Stainless steel with non-stick treatment Steel with carbide insert 	
Semi-pressure 34°	Guide	<ul style="list-style-type: none"> Stainless steel with non-stick treatment 	
	Source	<ul style="list-style-type: none"> Stainless steel with non-stick treatment Steel with carbide insert 	
Tubular (T)	Guide	<ul style="list-style-type: none"> Stainless steel with non-stick treatment 	
	Source	<ul style="list-style-type: none"> Stainless steel with non-stick treatment Steel with carbide insert 	
Plane (PL)	Guide	<ul style="list-style-type: none"> Stainless steel with non-stick treatment Steel with carbide insert 	
	Source	<ul style="list-style-type: none"> Stainless steel with non-stick treatment Steel with carbide insert Entirely made of carbide 	

+ PRECISION
+ REPEATABILITY
+ TRACEABILITY

Enameling dies

**Precision
Traceability
Bubble-free and smooth
finish**



**Manufactured in
stainless steel with
carbide insert**

**Profile guarantee,
symmetrical with precise and
equal radii**



HORIZONTAL

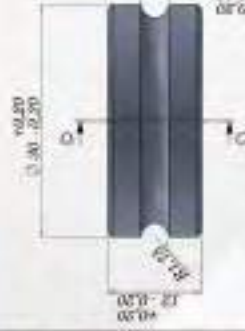


Des: 30-06-01

RETANGULAR



Des: 30-06-02



Des: 30-06-03

ORIGINAL PARTS
Produção em aço inoxidável por injeção

TODAS FIEIRAS SÃO FABRICADAS EM AÇO INOX COM INSERTO DE WIDEA

Fieira de esmaltação

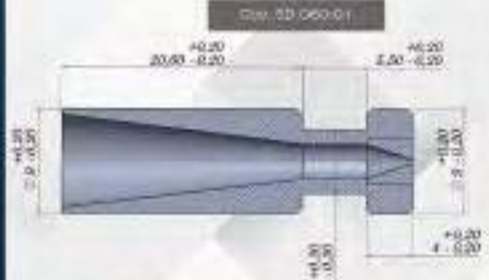
SONYCDIES

+SD+

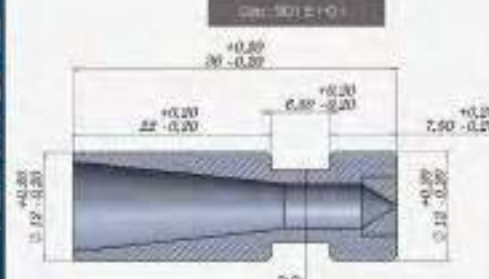
VERTICAL



Des: 30-06-04



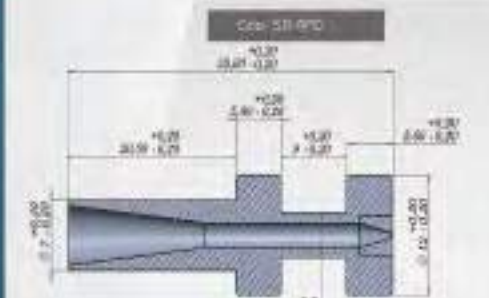
Des: 30-06-05



Des: 30-06-06



Des: 30-06-07



Des: 30-06-08