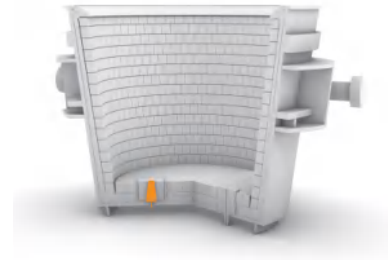




INTRODUCTION

Consteel's CFP series purging plug is the most cost effective and efficient way of gas stirring in Ladles for a number of important metallurgical reasons as following in the steel refining process.

- To enhance chemical reactions rates of molten steel constituents;
- Homogenize temperature and chemical composition of molten steel;
- Remove impurities and non-metallic inclusions;
- Disperse the alloy & metallurgical additive effectively;
- Deter the harmful nozzle clogging.



COMPOSITION&PROPERTY

Model	CFP-PE	CFP-PP	CFP-SLE	CFP-SLP	CFP-SE	CFP-SP	CFP-TE	CFP-TP	CFP-CE	CFP-CP
Type	Porous	Porous	Slot	Slot	Segment	Segment	RCA tube	RCA tube	Composite	Composite
Gas injected sort	Ni/Ar	Ni/Ar	Ni/Ar	Ni/Ar	Ni/Ar	Ni/Ar	Ni/Ar	Ni/Ar	Ni/Ar	Ni/Ar
Peripheral raw material	fused alumina	fired alumina & zirconia	Chrome Corundum	Chrome Corundum spinel	Chrome Corundum	Chrome Corundum spinel	Chrome Corundum	Chrome Corundum spinel	Chrome Corundum	Chrome Corundum spinel
Anchor purging components	fused alumina	fired alumina & zirconia	Slot	Slot	Core Segment	Core Segment	Tube	Tube	Slot&porous core	Slot&porous core
Bonding material	Resin	Resin	Resin	Resin	Resin	Resin	Resin	Resin	Resin	Resin
Granularity (mm)	1.0~0.5	1.0~0.5	1.0~0.5	1.0~0.5	1.0~0.5	1.0~0.5	1.0~0.5	1.0~0.5	1.0~0.5	1.0~0.5
Al ₂ O ₃ (wt%)	≥98%	≥98%	≥98%	≥98%	≥98%	≥98%	≥98%	≥98%	≥98%	≥98%
Cr ₂ O ₃ (wt%)	-	≥1.6%	≥1.6%	≥1.6%	≥1.6%	≥1.6%	≥1.6%	≥1.6%	≥1.6%	≥1.6%
Bulk density (g/cm ³)	3.65	3.65	3.65	3.65	3.65	3.65	3.65	3.65	3.65	3.65
CCS (Mpa @ 25 ℃)	79	79	79	79	79	79	79	79	79	79
Gas flow range (l/m@0.3Mpa)	200~650	200~650	200~650	200~650	200~650	200~650	200~650	200~650	200~650	200~650
HMOR (Mpa)	18	18	18	18	18	18	18	18	18	18

Note:
The parameters above are for customers' reference only. In order to enable Consteel to design the premium purging plugs for you, you are advised to fill out some relevant questionnaire from our sales engineer.

HOW TO SELECT THE RIGHT ONE



When it comes to the design & configurations of purging plugs, in addition to the fundamental chemical & physical properties corrosion resistant, erosion resistant and thermal shock resistant requirements, the delicate pre-work involves around the theoretical analysis combined with empirical accumulation is the key to select the right one for your crucial steel-making refining process.

